

UNIVERSITY OF ALBERTA LIBRARY



0 0003 5738 335

HD
9044
C25
C24
1953

A 91-53

30 JUL 1954

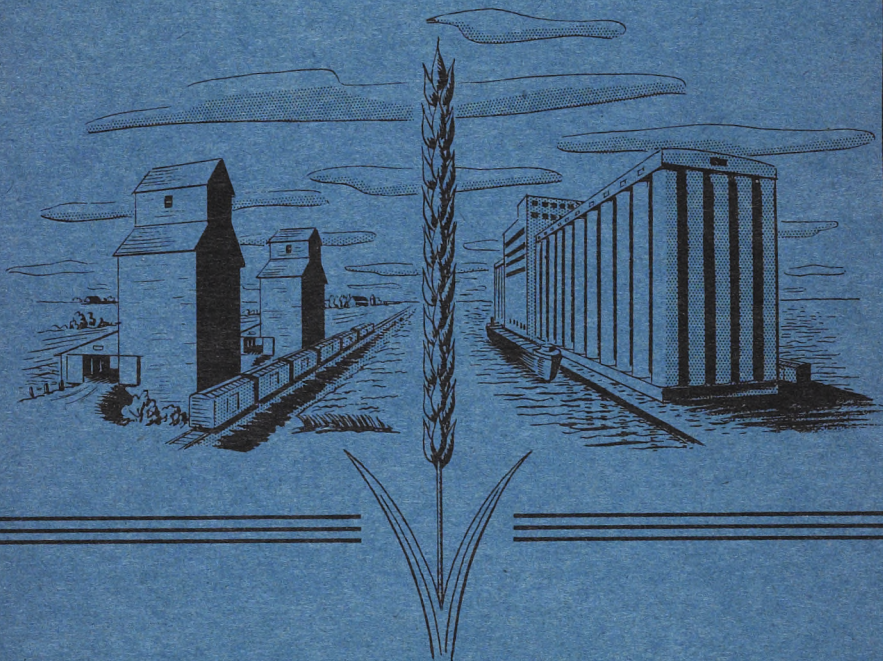
LIBRARY OF THE UNIVERSITY
OF ALBERTA

The Board of Grain Commissioners FOR CANADA

DEPARTMENT OF TRADE AND COMMERCE

Rt. Hon. C. D. Howe, M.P., Minister

Wm. Frederick Bull, Deputy Minister



Report for 1953

GENERAL SCIENCES

ONE WEEK LOAN

Ex LIBRIS
UNIVERSITATIS
ALBERTAE NSIS





Board of
Grain Commissioners
for Canada

ANNUAL REPORT
for 1953

•

DEPARTMENT OF TRADE AND COMMERCE
OTTAWA, CANADA

Minister: Rt. Hon. C. D. Howe, M.P.

Deputy Minister: Wm. Frederick Bull

EDMOND CLOUTIER, C.M.G., O.A., D.S.P.
QUEEN'S PRINTER AND CONTROLLER OF STATIONERY
OTTAWA, 1954

Price, 50 cents

LIBRARY
UNIVERSITY OF ALBERTA
2205773

Board of
Grain Commissioners
for Canada

ANNUAL REPORT for 1953

DEPARTMENT OF TRADE AND COMMERCE
OTTAWA, CANADA

LIBRARY
UNIVERSITY OF ALBERTA

TABLE OF CONTENTS

| | PAGE |
|---|------|
| General..... | 9 |
| Inspection of Grain..... | 10 |
| Grain Drying..... | 10 |
| Research..... | 11 |
| Weighing of Grain..... | 11 |
| Statistics..... | 11 |
| Elevator Charges..... | 11 |
| Regulations of the Board..... | 12 |
| Supplementary Storage..... | 12 |
| Storage of Foreign Grain for Re-shipment from Canada..... | 12 |
| Shortages and Overages—Country Elevators..... | 13 |
| Weighover of Stocks, Terminal and Eastern Elevators..... | 13 |
| Assistant Commissioners..... | 13 |
| Car Order Book..... | 14 |
| Committees on Grain Standards..... | 15 |
| Wheat Bonus..... | 15 |
| Prairie Farm Assistance Act..... | 15 |
| Lake Freight Rates..... | 15 |
| Canadian Government Elevators..... | 15 |
| Transport Controller..... | 16 |
| Organization and Personnel..... | 16 |
| Information Program..... | 16 |
| Organization Chart..... | 17 |
| Expenditures and Revenue..... | 18 |

APPENDICES:

| | |
|---|----|
| A—Report of the Executive Offices..... | 19 |
| B—Committees on Grain Standards..... | 29 |
| C—Grain Appeal Tribunals..... | 30 |
| D—Report of Licence and Bonding Branch..... | 31 |
| E—Report of Registration Branch..... | 34 |
| F—Report of Grain Inspection Branch..... | 37 |
| G—Report of Grain Weighing Branch..... | 49 |
| H—Report of Statistics Branch..... | 55 |
| I—Report of the Grain Research Laboratory..... | 70 |
| J—Operation of the Canadian Government Elevators..... | 72 |
| K—Report of Revenue and Expenditure..... | 74 |
| L—Regulations of the Board..... | 82 |

LIST OF TABLES

| | PAGE |
|---|------|
| APPENDIX A—Report of the Executive Offices | |
| Table A- 1 Overages and Shortages disclosed by Weighovers of Grain Stored in Public Terminal Elevators, Crop Year 1952-53..... | 22 |
| A- 2 Excesses and Deficiencies in Specified Grades of Wheat Disclosed by Weighovers of Grain Stored in Public Terminal Elevators, Crop Year 1952-53..... | 22 |
| A- 3 Excesses and Deficiencies in Specified Grades of Wheat Disclosed by Weighovers of Grain Stored in Semi-Public Terminal Elevators at Fort William-Port Arthur, Crop Year 1952-53..... | 24 |
| A- 4 Excesses and Deficiencies in Specified Grades of Wheat Disclosed by Weighovers of Grain Stored in Semi-Public Terminal Elevators at Pacific Seaboard, Churchill, Transcona and Kenora, Crop Year 1952-53..... | 24 |
| A- 5 Excesses and Deficiencies in Specified Grades of Wheat Disclosed by Weighovers of Grain Stored in Private Terminal Elevators, Crop Year 1952-53..... | 26 |
| A- 6 Overages and Shortages Disclosed by Weighovers of Canada Western and Foreign Grain Stored in Eastern Elevators, Crop Year 1952-53..... | 26 |
| APPENDIX D—Report of Licence and Bonding Branch | |
| Table D- 1 Number and Kind of Licences Issued and Licensed Storage Capacity as at December 1st each year for the Past Five Years..... | 32 |
| D- 2 Amounts Collected and Grain Purchased under the One Per Cent Levy, Prairie Farm Assistance Act, 1939, for period August 1, 1952 to July 31, 1953..... | 33 |
| D- 3 Summary of Collections of One Per Cent Levy under the Prairie Farm Assistance Act since the inception of the Act to July 31, 1953, listed by Year and Province..... | 33 |
| APPENDIX E—Report of Registration Branch | |
| Table E- 1 Warehouse Receipt Registrations for Receipts and Shipments at Public and Semi-Public Terminal Elevators in the Western Division, by Point and Grain, Crop Year 1952-53 and 10-Year Average (1942-43 to 1951-52)..... | 35 |
| E- 2 Summary of Warehouse Receipt Registrations for Receipts and Shipments by Grains, for Eastern and Western Divisions, Crop Year 1952-53 and 10-Year Average (1942-43 to 1951-52)..... | 36 |
| E- 3 Summary of Registration Fees Collected, Eastern and Western Divisions, Crop Year 1952-53 and 10-Year Average (1942-43 to 1951-52)..... | 36 |

LIST OF TABLES—Continued

APPENDIX F—*Report of Grain Inspection Branch*

| | | |
|------------|---|----|
| Table F- 1 | Primary Carlot Inspections from August 1, 1952 to July 31, 1953, by Grains, compared with 1951-52 and 10-year Average 1942-43 to 1951-52..... | 38 |
| F- 2 | Primary Carlot Inspections from August 1, 1952 to July 31, 1953, by Points, compared with 1951-52 and 10-year Average 1942-43 to 1951-52..... | 38 |
| F- 3 | Primary Carlot Inspections from August 1, 1952 to July 31, 1953, by Grain and Grades..... | 38 |
| F- 4 | Carlots of Tough, Damp and Straight Grain Inspected at Primary Inspection Points, August 1, 1952 to July 31, 1953..... | 41 |
| F- 5 | Number of Two Pound Samples "Subject to Grade and Dockage" Inspected During the Crop Year 1952-53 Compared with the Crop Year 1951-52..... | 42 |
| F- 6 | Carlots Re-Inspected from August 1, 1952 to July 31, 1953..... | 42 |
| F- 7 | Summary of Carlot Inspections Appealed during the Crop Year 1952-53..... | 43 |
| F- 8 | Quantities of the Various Grains Inspected and Shipped by Vessel During the Crop Year 1952-53..... | 43 |
| F- 9 | Outward Cars Inspected—Crop Year August 1, 1952 to July 31, 1953, Out of Public, Semi-Public and Private Elevators..... | 44 |
| F-10 | Total Carlot, Cargo and Bin Inspections, Crop Year 1952-53..... | 45 |
| F-11 | Carlots, Cargoes and Bins Sampled but not Inspected (Fees Collected) Crop Year 1952-53..... | 45 |
| F-12 | Western, Eastern and Foreign Grain Sampled for Export, Export in Bags and Inward, by Points (Fees not Collected) Crop Year 1952-53..... | 46 |
| F-13 | Carlot Inspections from August 1, 1952 to July 31, 1953, by Grain, Grades and Points..... | 46 |

APPENDIX G—*Report of Grain Weighing Branch*

| | | |
|------------|--|----|
| Table G- 1 | Gross Quantity of All Grains Weighed in the Western Division (Excluding Fort William and Port Arthur) During 1952-53 Crop Year.. | 51 |
| G- 2 | Gross Quantities of Various Grains Weighed Into and Out of Elevators at Fort William-Port Arthur During the Crop Year 1952-53.. | 52 |
| G- 3 | Number of Carlots of All Grain Weighed at Interior Points Other than Public Interior Terminals, Crop Years 1951-52 and 1952-53.. | 52 |
| G- 4 | Number of Cars Leaking and Cars with Missing Seals at the Lakehead, at Winnipeg Yards and at Other Points, by Railway, for Crop Year 1952-53..... | 53 |
| G- 5 | Number of Cars Weighed at all Points and Percentage of such Cars found Leaking or with Defective Seals, Crop Years 1951-52 and 1952-53..... | 53 |
| G- 6 | Average Reported Shortages in pounds per 1,000 bushels on the various grains loaded at Fort William and Port Arthur and unloaded at Canadian and United States ports for the 1952-53 Crop Year.... | 53 |

LIST OF TABLES—*Concluded*APPENDIX H—*Report of Statistics Branch*

| | | |
|------------|--|----|
| Table H- 1 | July 31 Carry-over of Canadian Wheat..... | 58 |
| H- 2 | Supply and Disposition of Canadian Grain, Crop Year 1952-53.... | 58 |
| H- 3 | Exports of Canadian Grain and Grain Products, Crop Years 1952-53 and 1951-52..... | 58 |
| H- 4 | Production, Producers' Marketings, and Inspections of Grain in Western Canada, by Provinces, Crop Year 1952-53..... | 58 |
| H- 5 | Primary Receipts and Shipments of Canadian Grain at Eastern Elevators, Crop Year 1952-53..... | 59 |
| H- 6 | Primary Receipts and Shipments of United States Grain at Eastern Elevators, Crop Year 1952-53..... | 60 |
| H- 7 | Shipments of Foreign Grain from Canadian Elevators into Canadian Consumptive Channels, Crop Year 1952-53..... | 60 |
| H- 8 | Primary Receipts and Shipments of Canadian Grain at Terminal Elevators, Crop Year 1952-53..... | 60 |
| H- 9 | Receipts and Shipments of Canadian Grain at Canadian Govern- ment Interior Terminal Elevators, Crop Year 1952-53..... | 61 |
| H-10 | Receipts and Shipments of Canadian Grain at Duluth-Superior, Crop Year 1952-53..... | 61 |
| H-11 | Exports of Canadian Wheat, by Seaboard Sectors, by Months, Crop Year 1952-53..... | 62 |
| H-12 | Overseas Exports of Canadian Grain, by Seaboard Sectors, by Grades, Crop Year 1952-53..... | 63 |
| H-13 | Overseas Exports of Canadian Grain, by Ports, Crop Year 1952-53 | 64 |
| H-14 | Weighted Average Lake Freight Rates on Canadian Grain from Fort William-Port Arthur, Season of Navigation 1953..... | 64 |
| H-15 | Monthly Averages of Canadian Wheat Board and Winnipeg Grain Exchange Daily Cash Quotations, Crop Year 1952-53..... | 65 |
| H-16 | Tough and Damp Grain Dried at Different Points 1952-53 Crop Year..... | 69 |

APPENDIX K—*Report of Revenue and Expenditure*

| | | |
|------------|---|----|
| Table K- 1 | Details of Revenue for Fiscal Year ended March 31, 1953, by Point, Branch and Item of Revenue..... | 74 |
| K- 2 | Details of Expenditure for Fiscal Year ended March 31, 1953, by Point, Branch and Main Objects of Expenditure..... | 76 |
| K- 3 | Summary of Operations by Branches..... | 78 |
| K- 4 | Statement showing Revenue and Expenditure by Points and Branches..... | 81 |

WINNIPEG, Manitoba

January 25, 1954.

The Right Honourable C. D. Howe, M.P.,
Minister of Trade and Commerce,
Ottawa, Canada.

SIR,—We beg to submit herewith Annual Report of the Board of Grain Commissioners for Canada for the year 1953 in compliance with section 23 of the Canada Grain Act.

This report records information and statistics relating to grain handlings for the crop year August 1, 1952 to July 31, 1953; expenditures and revenue for the fiscal year April 1, 1952 to March 31, 1953, and summarizes the major activities of the Board and its branches for the 1953 calendar year.

Summaries are given in the first and main portion of this report, and additional information in greater detail submitted by various branches and supported by tables of data is presented in Appendices A to L which follow the main section.

General

The 1952-53 crop year began with a very substantial carryover of grain (415.7 million bushels) at July 31, 1952, to which was added the record harvest of very close to 1.5 billion bushels of the five principal grains—wheat, oats, barley, rye and flax. By the end of the crop year July 31, 1953, producers in the prairie provinces had marketed 842.8 million bushels or 105.4 million more than the previous crop year.

Commercial disappearance of Canadian grain during 1952-53 amounting to 732.1 million was heavier by 61.2 million bushels than that for the previous year. At the end of the crop year under review there remained an even larger carryover amounting to 655.8 million bushels of the five principal grains on farms, in elevators and in transit. Then for the third consecutive year, a bumper harvest in 1953 added another 1.3 billion bushels of grain to make available about two billion bushels for disposition.

The sustained volume of production and handlings in the last few years reflects the volume of work and the extent of services which were required from the Board's officers and staffs to facilitate the orderly movement of grain through licensed channels. Fortunately, there were no serious quality difficulties or degrading factors in connection with the large 1953 harvest. However, as a result of the overtaxed storage facilities old crop grain held on farms and in country elevators and annexes created problems of insect infestation and spoilage of some grain.

It will be recalled that each of the last four Western harvests was characterized by some unique feature. The year 1950 produced a very large crop which was heavily frosted; the Fall of 1951 was very wet and the large crop of that year had a high proportion of tough and damp grades, in addition a third of it wintered under snow to be recovered by spring threshing; the 1952 harvest produced an all-time record crop; and the 1953 harvest saw production of another large volume of average

quality grains. For more detailed background information on crops, the following table gives a summary of seeded acreage and crop production for 1952 and 1953 with a 5-year comparative average:

| | Acreage | | | Production | | |
|--------------------|--------------------|-------------|-------------|--------------------|----------------|----------------|
| | Average 1948-52 | 1952 | 1953 | Average 1948-52 | 1952 | 1953 |
| | million acres | | | million bushels | | |
| Wheat..... | 26.0 | 26.0 | 25.5 | 492.0 | 687.9 | 614.0 |
| Oats..... | 11.5 | 11.1 | 9.8 | 411.2 | 466.8 | 405.6 |
| Barley..... | 7.1 | 8.5 | 8.9 | 198.2 | 291.3 | 262.1 |
| Rye..... | 1.4 | 1.3 | 1.5 | 18.2 | 24.6 | 28.1 |
| Flaxseed..... | 1.0 | 1.2 | 1.0 | 9.3 | 13.0 | 10.4 |
| Totals..... | 47.0 | 48.1 | 46.7 | 1,129.9 | 1,483.6 | 1,320.2 |

To facilitate orderly marketing of these unprecedented heavy crops, Canadian Wheat Board delivery quotas and shipping preferences regulated the flow of grain to shipping points in harmony with disposition of it into domestic and export channels. Marketings for the first five months of the new crop year of wheat, oats, barley, rye and flax to December 31, 1953, were 339.2 million bushels as against 394.5 million bushels for the same period of the previous crop year.

Figures for shipments and stocks in store in millions of bushels covering the five principal grains at the end of the first five months with comparable figures for the last year shown in brackets, were as follows: Country elevator stocks, 260.8 (204.4); shipments from country elevators, 314.7 (338.2); Lakehead and Pacific stocks, 71.6 (48.3).

Inspection of Grain

Inspection of grain revealed no serious degrading factors in the 1952-53 crop with the exception of the incidence of split and broken kernels resulting from dry weather early in the harvesting season. The grain was generally of good quality with a high weight per bushel. There were small areas in Northern Saskatchewan and Alberta where some frost damage was evident.

The Board's Inspection Branch graded well over 400,000 carlots of grain which exceeded the previous record by some 12 per cent and is 46 per cent over the average figure for the past ten years. In addition, some 596.7 million bushels of grain were inspected from terminal elevators loading to vessels.

Grain Drying

Following the record quantities of grain dried during the previous crop year, the harvest of 1952 yielded dry grain of which only 14 per cent graded tough and damp. Accordingly, requirements for drying were greatly reduced. Although there was some carryover of tough and damp grades, only 5.9 million bushels were dried artificially and 56.3 million bushels were dried by natural means during the 1952-53 crop year. This compares with 122.5 million bushels artificially dried and 46.3 million naturally dried the year before. More detailed data on grain drying are presented in Table H-16 of the Report of the Statistics Branch in Appendix H.

Research

The Board's Research Laboratory has continued to study the quality of Canadian grain crops, to assist the Grain Inspection Branch and to serve as scientific consultants to the Board in complaints and inquiries. Research on certain fundamental factors relating to grain quality has been carried on and the Laboratory collaborated with plant breeders by testing new varieties of grain.

Four crop bulletins, two protein maps and an annual report are published each year by the Laboratory for information of millers and overseas buyers, and to put on record data on grain; results of research are published in various scientific journals. The work of the Laboratory is dealt with in greater detail in Appendix I of this report.

Weighing of Grain

In addition to the regular weighing service, scale inspection and weighovers of grain stocks in terminal and Eastern elevators, the Board's weighing officials investigated complaints of vessel outturn shortages with a view to determining the possible cause of shortages and when possible, to assign liability for them against responsible parties.

During the 1952-53 crop year there was further improvement in outturn loss of grain shipped from Lakehead elevators and unloaded at Eastern elevators. The average loss on vessel shipments of wheat was 27 pounds per thousand bushels.

Statistics

The Statistics Branch has continued to compile and publish statistical information on grain at various stages of marketing and handling. With the removal of the Branch from Fort William to Winnipeg, and installation of a punch-card system for handling data, this Branch now has improved facilities to provide required information more readily.

In co-operation with the Canadian Wheat Board and individuals and organizations interested in grain handling, a change in procedure for recording grain data was made. Since August 1, 1953, grain has been recorded in bushels and tenths of a bushel instead of bushels and pounds. This change has facilitated issuance of documents and maintenance of records.

Elevator Charges

The Board held three public meetings at Toronto, Vancouver and Winnipeg in June and July of 1953 to hear representations in regard to maximum grain handling tariffs for the 1953-54 crop year. Submissions were reviewed by the Board but only one change was made. Maximum charges for storing grain at Churchill, Manitoba, were made the same as those at Fort William, Port Arthur and Winnipeg. Previously, maximum charges at Churchill were set at a lower figure for storage between October and July.

Assistant Commissioner M. M. MacKinnon in Alberta and Assistant Commissioner A. G. McLean in Saskatchewan, were called upon to investigate an unprecedented number of complaints and explain or clarify various operations under the Canada Grain Act and the Board's Regulations.

In addition to investigating complaints, the Assistant Commissioners inspected country elevators by checking scales and seeing that other equipment and records were in good order. When licensees applied for authority to operate special annexes for warehousing of wheat under Order-in-Council P.C. 5122, the Assistant Commissioners investigated these storage facilities for conformity with requirements under this Order-in-Council. There was a large number of cases of infested or out of condition grain, or elevators and annexes in danger of collapse throughout Western Canada and the Board authorized out of turn cars to move the grain involved in these distress situations. However, to be assured of the genuineness of these cases, the Assistant Commissioners inspected the buildings or the infested or out of condition grain as far as possible before cars were authorized. During 1953, the Assistant Commissioner for Alberta inspected 1,244 country elevators, and the Assistant Commissioner for Saskatchewan inspected 928 country elevators.

If the Board was of the opinion that certain agents had consistent or excessive overages on country elevator operations and these agents had not been called to appear before the Board, the Assistant Commissioners interviewed them with a view to determining the cause of these overages. They were warned of the action which would be taken by the Board in cases of continued accumulation of excessive overages by them.

One hundred and forty-eight complaints were handled by Assistant Commissioners during 1953. Eight of these originated in Manitoba, 129 in Saskatchewan and eleven in Alberta. Mr. John Rayner, former Assistant Commissioner for Manitoba, assisted the Board in handling the Manitoba complaints. In addition, a large number of inquiries respecting operation of the Car Order Book were dealt with, and where there were inequalities or complaints, suitable solutions were worked out and situations corrected. Car Order Book complaints originated chiefly in Saskatchewan.

Car Order Book

Car Order Book procedure is established under sections 61 to 76 of the Canada Grain Act but section 20 (*k*) of the Canadian Wheat Board Act authorizes the Wheat Board to provide for the allocation of cars other than those placed pursuant to the Car Order Book. The Transport Controller, by an order issued September 16, 1952, and re-issued October 2, 1953, provided that applications for cars in the Car Order Book would be passed over temporarily and not cancelled if an applicant could not ship grain due to Canadian Wheat Board restrictions; then cars would be supplied on these passed over applications in the proper order as soon as restrictions were changed.

On October 19, 1953, the Transport Controller after consultation with, and the approval of, the Canadian Wheat Board and the Board of Grain Commissioners, issued instructions to all railway companies in Western Canada by authority granted him under the Emergency Powers Act, to discontinue the operation of the Car Order Book. This action was necessary to give preference to and confine shipments of grain to certain grades and kinds of grain to suit requirements of the Canadian Wheat

Board commitments. On instructions from the Transport Controller dated December 3, 1953, restrictions on the operation of the Car Order Book were cancelled effective December 14, 1953. Unfilled applications outstanding at October 19, 1953, were honoured and new applications were permitted on and after December 14, 1953.

Committees on Grain Standards

The Committees on Grain Standards for the crop year 1953-54 were constituted by the Board in accordance with section 25 of the Canada Grain Act. Personnel of the Committees is listed in Appendix B to this report.

The Western Committee was convened in Winnipeg on October 7 and again on November 4, 1953, and the Eastern Committee met in Toronto on August 20 and on November 16, 1953 to select and settle standard samples in accordance with sections 27 and 29 of the Canada Grain Act.

Wheat Bonus

During 1953 no wheat bonus certificates were redeemed and certificates outstanding at December 31, 1953, remained at \$7,738.18.

Prairie Farm Assistance Act

The Board continued to collect the one per cent levy on the purchase price of grain marketed in the three prairie provinces. Collections during the 1952-53 crop year totalled over ten million dollars. Since August 1, 1939, the date on which this assistance program was first introduced to July 31, 1953, total money collected by the Board amounted to 75.2 million dollars. More detailed data in this connection are shown in Appendix D, Tables D-2 and D-3.

Lake Freight Rates

No changes were made during 1953 in the maximum rates for carrying grain by lake and river navigation. The maximum rates authorized by the Board's Order No. 19 of February 5, 1951, remained in effect during 1953. A schedule of these rates is published on Page 12 of the Board's Report for 1951. Further information on lake freight rates may be found in the Statistician's Report in Appendix H.

Canadian Government Elevators

The volume of grain handled by the licensed public terminal elevators operated by the Board during 1952-53 crop year showed an increase of 6.6 million bushels over the previous year. This was due to a very large extent to increased handlings at the Prince Rupert Elevator which handled almost double the quantities recorded the previous year. Grain receipts at all elevators totalled 27.6 million bushels.

The Canadian Government Elevators showed a surplus of revenue over operating expenditure in the amount of \$443,672.12 for the fiscal year ended March 31, 1953. This is a decrease from the surplus of \$815,337.88 for the previous fiscal year.

More detailed information respecting the operation of the Canadian Government Elevators may be found in Appendix J to this report.

Regulations of the Board

New regulations were made by the Board during 1953 as follows:

Regulation No. 25—April 16, 1953, effective August 1, 1953, authorizing the use of revised form of Cash Purchase Ticket and substitution of "bushels and tenths" for "bushels and pounds" on all country and mill elevator receipts and tickets.

Regulation No. 26—April 30, 1953, prohibiting delivery to licensed elevators of grain treated with mercurial fungicides or other poisonous compounds.

Amendments to existing regulations were as follows:

Regulation No. 16—January 8, 1953, providing for a nominal charge for issuance of additional weight certificates.

August 25, 1953, providing for recovery from licensee of over-time paid by the Board for inspection and weighing services outside regular working hours.

September 22, 1953, reducing fees for inspection of certain samples in the Eastern Division.

Regulation No. 9—October 2, 1953, changing procedure for collection of fees on samples submitted to Grain Appeal Tribunals.

All regulations in effect on August 1, 1953, were republished in the *Canada Gazette* on August 12, 1953, in accordance with section 19 of the Canada Grain Act. At that time certain minor revisions and editorial changes were made in twelve of these regulations.

Supplementary Storage

Because of the continued congested grain storage situation during the year, the Board continued to authorize country elevator licensees to use suitable supplementary storage space for warehousing wheat under authority of Order-in-Council P.C. 5122 of September 26, 1951.

At December 31, 1953, 82 buildings with a capacity of 4,411,738 bushels were authorized for supplementary storage. These buildings were inspected by Assistant Commissioners to ensure that they met with certain structural specifications. The authorizations represent an increase of 24 buildings and two million bushels capacity over authorizations for the previous calendar year.

Storage of Foreign Grain for Re-Shipment from Canada

Under authority of subsection (29) of section 15 of the Canada Grain Act and Board's Regulation No. 24, the Board continued to restrict entry of foreign grain into Canada for re-export to give priority to the storage of Canadian grain. During the 1953 calendar year five permits were issued, one to a terminal elevator at the Pacific Coast and four to an Eastern elevator. There were 1,291,000 bushels of foreign grain received in Canada under these permits and there remained 150,000 bushels in store at December 31, 1953.

Shortages and Overages—Country Elevators

Country elevator annual returns covering operations during the 1952-53 crop year which were submitted to the Board in accordance with section 10 of the Board's Regulation No. 17 have been examined and the results have been tabulated. Owing to the very congested storage conditions at country points resulting from continued large crops, many elevators were unable to report weighovers and the results of their operations were estimated. A summary of the country elevator returns is given in the following table which shows the number of elevators reporting shortages or overages for the 1952-53 crop year. Data for 1950-51 and 1951-52 are also given for comparison purposes:

| Elevators Reporting | 1950-51 | 1951-52 | 1952-53 |
|-------------------------------------|--------------|--------------|--------------|
| Shortages..... | 897 | 569 | 640 |
| Neither overages nor shortages..... | 56 | 16 | 19 |
| Overages of less than .25%..... | 1,475 | 828 | 893 |
| Overages of .25% to .50%..... | 587 | 455 | 351 |
| Overages over .50%..... | 78 | 163 | 115 |
| Not weighed-over..... | 1,974 | 3,016 | 3,024 |
| Totals..... | 5,067 | 5,047 | 5,042 |

Where it was felt by the Board that there were excessive overages on public country elevator operations revealed in the light of the 1951-52 and previous records, public hearings were held to examine operations of the offending agents. During 1953, hearings were held at seven points and 54 country elevator agents with unsatisfactory records were summoned to appear before the Board to show why the Board of Grain Commissioners should not refuse to license any country elevator at which the persons concerned act as agents of the licensee.

Weighover of Stocks, Terminal and Eastern Elevators

In accordance with sections 139 and 140 of the Canada Grain Act 28 terminals and 21 Eastern elevators were weighed over during the 1952-53 crop year. Due to large stocks in store, the Board deferred weighovers at 18 terminals and five eastern elevators under authority of section 141 of the Canada Grain Act, and weighovers of two elevators at the Pacific Coast which came due shortly after a labour strike were deferred beyond the twenty-two month period by the Transport Controller by authority granted him under the Emergency Powers Act.

At one terminal elevator, weighover disclosed excessive overages due the Crown in the value of \$289.48 which amount was received by the Board.

Assistant Commissioners

During 1953 the Province of Manitoba was without an Assistant Commissioner as Mr. John Rayner who served in this position was transferred to the Board's executive offices as Director of Administration for the Board.

Transport Controller

Commissioner R. W. Milner who was appointed Transport Controller on August 29, 1951, under Order-in-Council P.C. 4558 has continued to serve in this position with the Department of Transport during 1953, on a part-time loan basis. Commissioner Milner attended a large number of the Board meetings and such meetings as those of the Standards Committees. Accordingly, he was able to keep in close touch with and take part in all phases of the Board's work.

Organization and Personnel

Early in 1953 the Board moved the offices of the Statistics Branch and the Head Office of the Canadian Government Elevators from Fort William to Winnipeg. This transfer was made as part of a plan to effect a better co-ordination of work of the various branches by organizing and consolidating the different units in one central location.

On December 31, 1953, the Board's staff totalled 942 the same as at December 31, 1952. It consisted of 803 employees in the "continuing" establishment and 139 casual employees whose numbers vary with work requirements. The Board's employees provide services at fifteen cities from Montreal to Victoria, mainly in inspection and weighing of grain. During 1953 there were 110 employees appointed and 115 separated in the continuing category, and 216 appointed and 211 resigned in the casual class. At the end of the calendar year the staff of the Canadian Government Elevators at Edmonton, Calgary, Lethbridge, Moose Jaw, Saskatoon, Prince Rupert and Winnipeg consisted of 160 in the continuing establishment and 59 casual employees.

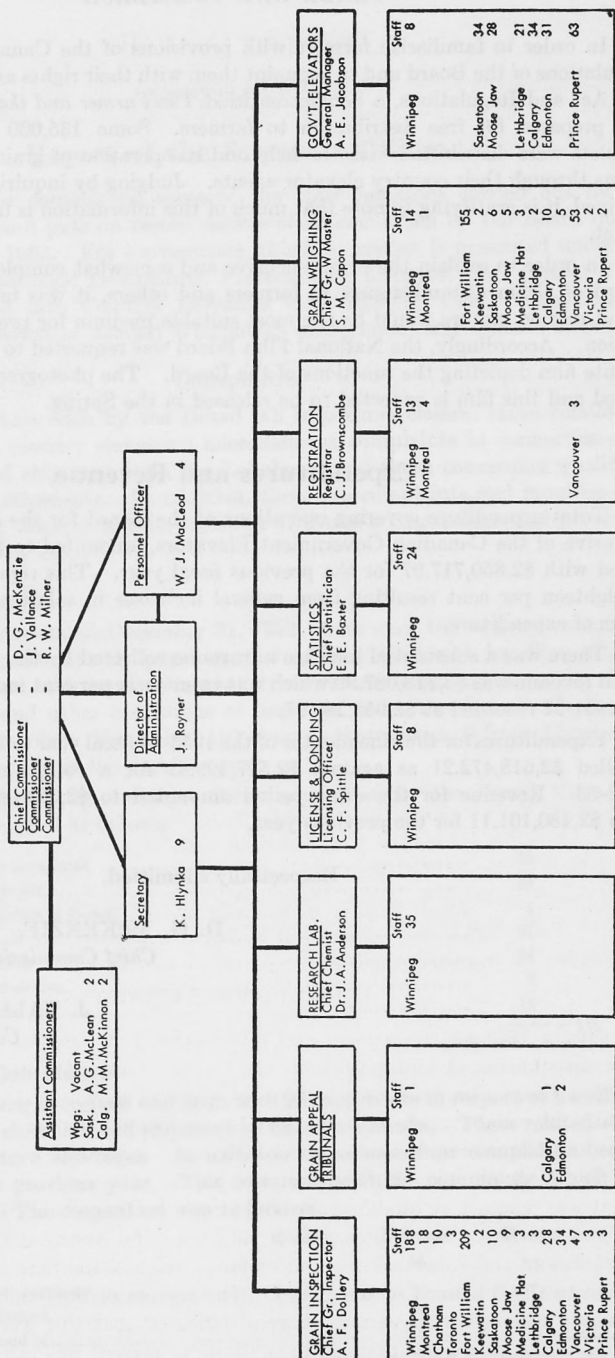
Major changes in staff involved the promotion of Mr. John Rayner from Assistant Commissioner for Manitoba to Director of Administration, appointment of Mr. K. Hlynka as Secretary, replacing Mr. A. T. Calder, resigned, and appointment of Mr. W. J. MacLeod as Personnel Officer to replace Mr. H. G. Dawson who transferred to another Department.

The accompanying chart is presented to put on record the organization of the Board and the makeup and head personnel of the different branches.

Information Program

During 1953 an educational and information program was initiated to make wider distribution of information on the Canada Grain Act and functions of the Board of Grain Commissioners to farmers, elevator agents and other persons concerned. In collaboration with the Exhibition Commission of the Department of Trade and Commerce, a display was constructed and exhibited at summer fairs at Brandon, Yorkton, Lloydminster and Regina, for a total of seventeen days. This exhibit was manned by qualified personnel from the Inspection Branch, the Laboratory and the Executive Offices, and in addition, the Assistant Commissioners for Saskatchewan and Alberta were in attendance much of the time to answer inquiries relating to the functions of the Board. The success of the exhibit and favourable comments received from various sources indicated that this work was well worth while, and the Board has planned to continue to present this exhibit for the benefit of other areas.

BOARD OF GRAIN COMMISSIONERS FOR CANADA



In order to familiarize farmers with provisions of the Canada Grain Act and Regulations of the Board and to acquaint them with their rights and privileges under this Act and Regulations, a booklet entitled *The Farmer and the Country Elevator** was prepared for free distribution to farmers. Some 135,000 of these 24-page booklets were distributed with the help and co-operation of grain firms and associations through their country elevator agents. Judging by inquiries which are being received, it is gratifying to note that much of this information is finding its intended target.

In order to explain the comprehensive and somewhat complex functions of the Board of Grain Commissioners to farmers and others, it was felt that a coloured sound motion picture would be the most suitable medium for presenting this information. Accordingly, the National Film Board was requested to produce a twenty-minute film depicting the functions of the Board. The photography has been completed and this film is expected to be released in the Spring.

Expenditures and Revenue

Total expenditure covering operations of the Board for the fiscal year 1952-53 exclusive of the Canadian Government Elevators, amounted to \$3,367,340.53 compared with \$2,850,717.97 for the previous fiscal year. This represents an increase of eighteen per cent resulting from general increases in salaries and in almost all items of expenditure.

There was a substantial increase in revenue collected by the Board in 1952-53. Total revenue was \$3,718,087.99 which was twenty-six per cent more than collections for 1951-52 recorded at \$2,958,289.07.

Expenditures for the nine months of the 1953-54 fiscal year to December 31, 1953, totalled \$2,618,472.21 as against \$2,517,499.32 for a comparable period during 1952-53. Revenue for the same period amounted to \$2,581,067.69 as compared with \$2,480,101.11 for the previous year.

Respectfully submitted,

D. G. McKENZIE,
Chief Commissioner.

J. VALLANCE,
Commissioner.

*Available from the Board of Grain Commissioners for Canada, Winnipeg, Manitoba.

APPENDIX A

Report of the Executive Offices

This Appendix summarizes some of the chief functions carried out by the Executive Offices and puts on record details of actions taken by the Board during the calendar year 1953. For convenience, this information is presented under the following seven headings: Complaints, Prosecutions, Defaults, Cars Out of Turn, Receipts of Wheat into Country Elevators from Railway Cars, Grain Loading Platforms, and Results of Annual Weighovers of Terminal and Eastern Elevators.

Complaints

Complaints dealt with by the Board fall into three classes: those relating to grain handling at country elevators; miscellaneous complaints in connection with grain handling and shipment from the Lakehead, and those concerning quality or weight on export shipments. In addition, there are complaints and inquiries concerning Car Order Books and interpretation of Board's Regulations and provisions of the Canada Grain Act.

Country Complaints

During the year ended December 31, 1953, there were 148 country complaints investigated as against 141 the previous year. They dealt with handling of grain at country elevators, shipment from country elevators, irregularities in Car Order Book procedure, and other operations of licensees under the Canada Grain Act. Six complaints came from Manitoba, 110 from Saskatchewan, 9 from Alberta and 23 were carried over from the previous year.

After investigation by Assistant Commissioners or by the Board, these complaints were disposed of as follows:

| | |
|------------------------------------|----------|
| No grounds for complaint..... | 35 |
| Settlement effected..... | 39 |
| Outside jurisdiction of Board..... | 1 |
| Licensee fined..... | 27 |
| Defendant warned..... | 24 |
| Complaint withdrawn..... | 8 |
| Not yet disposed of..... | 14 |
| | ———— 148 |

Miscellaneous Complaints

In 1953 the Board received and dealt with 28 complaints in respect of handling of grain at terminal elevators and shipment to Eastern Canada. These related chiefly to reports of outturn shortages. In addition there were four complaints brought forward from the previous year. This compares with 24 complaints which were handled in 1952. The disposition was as follows.

| | Quality | Shortage | General |
|-------------------------------|---------|----------|---------|
| No evidence..... | — | 18 | — |
| No grounds for complaint..... | 1 | — | — |
| Settlement effected..... | 1 | 6 | — |
| Not yet disposed of..... | 1 | 4 | 1 |
| | ———— | ———— | ———— 32 |

Export Shipments

Fourteen complaints in respect to overseas shipments were received during the year and there were three unsettled complaints brought forward from last year. This compares with sixteen complaints on overseas shipments handled in 1952. The disposition was as follows:

| | Quality | Shortage |
|-------------------------------|---------|----------|
| No evidence..... | — | 9 |
| No grounds for complaint..... | 5 | — |
| Settlement effected..... | 1 | — |
| Not yet disposed of..... | 2 | — |
| | <hr/> | <hr/> |
| | | 17 |

Twenty-nine penalties for breaches of the Canada Grain Act and the Board's Regulations amounting to \$2,010 were levied and collected as follows:

| Number of penalties | Contravention | Amount |
|---------------------|---|----------|
| 2 | Section 109, Canada Grain Act..... | \$ 75.00 |
| 1 | Section 110, Canada Grain Act and Board Regulation No. 21.... | 1,000.00 |
| 26 | Board Regulation No. 18..... | 935.00 |

Defaults

There were no defaults by licensees during 1953 and no action by the Board was necessary in this connection.

Cars Out of Turn

During the 1953 calendar year a record number of cars out of turn was authorized by the Board under subsection 2 of section 68 of the Canada Grain Act for shipment of grain from country elevators. Special attention was paid to these shipments by the Grain Inspection Branch to ensure that cars were not used for unauthorized purposes. Following is a breakdown of the 2,801 cars authorized, with figures for 1952 included for comparison purposes:

| Purpose | 1952 | 1953 |
|---|------------------|--------------------|
| Grain out of condition..... | 410 | 866 |
| Elevators and annexes in danger of collapse..... | 267 | 1,104 |
| Elevators and annexes flooded..... | — | 138 |
| Seed grain..... | 3 | 13 |
| Grain fumigated for rusty grain beetle infestation..... | — | 625 |
| Others..... | 22 | 55 |
| Totals..... | <hr/> 702 | <hr/> 2,801 |

Receipt of Wheat into Country Elevators from Railway Cars

Under section 108 of the Canada Grain Act, the Board authorized receipt of 757 car-lots of wheat into country elevators during 1953.

Grain Loading Platforms

During 1953 no applications for the building of grain loading platforms or the enlargement of existing ones were made to the Board. However, certain changes and additions were made by the railways, and the numbers of grain loading platforms and their capacities in Western Canada as at December 1, 1953, were as follows:

| Province | Number of Platforms | Car Capacity |
|---|------------------------|-----------------|
| Manitoba..... | 558 | 1,257 |
| Saskatchewan..... | 1,231 | 2,568 |
| Alberta..... | 721 | 1,426 |
| British Columbia..... | 36 | 89 |
| Ontario..... | 21 | 43 |
| Totals as at December 1, 1953..... | 2,567 | 5,383 |

Results of Annual Weighovers

The following Tables (A-1 to A-6) record overages or shortages, and excess or deficiency calculated in accordance with section 139 of the Canada Grain Act, at Public Terminal Elevators; the excesses or deficiencies at Semi-Public Terminal Elevators; results of annual weighovers of Private Terminal Elevators; and the summary of results of calculations, in accordance with section 140 of the Canada Grain Act, of overages and shortages in Western Canadian and foreign grain as revealed in the annual weighover of grain stocks in store in Eastern elevators.

Respectfully submitted,

K. HLYNKA,
Secretary.

Table A-1.—Overages and Shortages Disclosed by Weigh-overs of

| Date of Weigh-over | Licensee | WHEAT | | OATS | |
|-----------------------|--------------------------------------|-----------------|----------|---------------|----------|
| | | Overage | Shortage | Overage | Shortage |
| | | bu. | bu. | bu. | bu. |
| July 29-Aug. 7, 1953. | CANADIAN GOVERNMENT ELEVATORS | | | | |
| | Edmonton..... | 1,474-00 | — | 169-20 | — |
| | Totals..... | 1,474-00 | — | 169-20 | |
| | Net Totals—Overages Shortages | 1,474-00 | — | 169-20 | — |

Table A-2.—Excesses and Deficiencies in Specified Grades of Wheat Disclosed by

| Date of Weigh-over | Licensee | Excess | | |
|------------------------|-------------------------------|--------|------------|------------|
| | | 1 Hard | 1 Northern | 2 Northern |
| July 29-Aug. 7, 1953.. | CANADIAN GOVERNMENT ELEVATORS | | | |
| | Edmonton..... | — | — | — |

Grain Stored in PUBLIC TERMINAL Elevators, Crop Year 1952-53

| Barley | | Rye | | Flaxseed | | Corn | |
|---------|----------|---------|----------|----------|----------|---------|----------|
| Overage | Shortage | Overage | Shortage | Overage | Shortage | Overage | Shortage |
| bu. | bu. | bu. | bu. | bu. | bu. | bu. | bu. |
| 403-28 | — | — | — | 5-00 | — | 5-22 | — |
| 403-28 | — | — | — | 5-00 | — | 5-22 | — |
| 403-28 | — | — | — | 5-00 | — | 5-22 | — |

Weigh-overs of Grain Stored in PUBLIC TERMINAL Elevators, Crop Year 1952-53

| Excess | | | Deficiency | | | | | |
|------------|---------------|---------------|------------|------------|------------|------------|---------------|---------------|
| 3 Northern | 1 C.W. Garnet | 2 C.W. Garnet | 1 Hard | 1 Northern | 2 Northern | 3 Northern | 1 C.W. Garnet | 2 C.W. Garnet |
| bu. | bu. | bu. | bu. | bu. | bu. | bu. | bu. | bu. |
| 2531-10 | — | — | — | 20-40 | 255-20 | — | — | — |

**Table A-3.—Excesses and Deficiencies in Specified Grades of Wheat Disclosed
Fort William-Port Arthur,**

| Date of Weigh-over | Licensee | Excess | | |
|--------------------------|--|-----------|---------------|---------------|
| | | 1 Hard | 1 Northern | 2 Northern |
| | | bu. | bu. | bu. |
| Dec. 18-23, 1952..... | Canadian Consolidated Grain Co. Ltd.— "Empire"..... | — | 1,478-30 | — |
| Dec. 22-31, 1952..... | "Thunder Bay"..... | — | — | — |
| Dec. 16-20, 1952..... | Eastern Terminal Elevator Co. Ltd..... | — | — | — |
| Dec. 22-31, 1952..... | Federal Grain Limited— "Northwestern"..... | — | — | — |
| Dec. 22-29, 1952..... | "Stewart"..... | — | — | — |
| June 11-19, 1953..... | Fort William Elevator Co. Ltd.— Elevator "E"..... | — | — | — |
| July 28-Aug. 4, 1953.... | Elevator "F"..... | — | — | — |
| Dec. 12-15, 1952..... | Lakehead Terminals Ltd..... | — | — | — |
| Dec. 15-18, 1952..... | McCabe Grain Co. Ltd..... | — | — | — |
| Dec. 22/52-Jan. 5/53.... | National Grain Co. Ltd..... | — | — | — |
| Dec. 15-23, 1952..... | Ogilvie Flour Mills Co. Ltd..... | — | — | — |
| June 26-30, 1953..... | Saskatchewan Co-Operative Producers Limited— Terminal No. 4..... | — | — | — |
| July 15-21, 1953..... | Superior Elevator Co. Ltd..... | — | — | 3,889-20 |
| Dec. 16/52-Jan. 12/53.. | United Grain Growers Limited..... | — | — | — |
| Dec. 18/52-Jan. 15/53.. | Westland Elevators Limited..... | — | — | — |

**Table A-4.—Excesses and Deficiencies in Specified Grades of Wheat Disclosed
Pacific Seaboard, Churchill, Transcona**

| Date of Weigh-over | Licensee | Excess | | |
|------------------------|--|-----------|---------------|---------------|
| | | 1 Hard | 1 Northern | 2 Northern |
| | | bu. | bu. | bu. |
| Oct 6-10, 1952..... | Vancouver-New Westminster— Kerr Gifford & Co. Inc. No. 1..... | — | — | — |
| Oct 23-Nov. 3, 1952... | Kerr Gifford & Co. Inc. No. 2..... | — | — | — |
| May 12-14, 1953..... | Searle Grain Co. Ltd..... | — | — | — |
| Jan 19-23, 1953..... | Victoria— Kerr Gifford & Co. Inc..... | — | — | — |
| Oct 13-18, 1952..... | Churchill, Man.— National Harbours Board..... | — | 3,274-00 | — |
| May 12-26, 1953..... | North Transcona, Man.— Eastern Terminal Elevator Co. Ltd..... | — | — | — |
| Nov. 14, 1952..... | Kenora, Ont.— Searle Grain Co. Ltd..... | — | — | — |

Table A-5.—Excesses and Deficiencies in Specified Grades of Wheat Disclosed by Weigh-overs of Grain Stored in PRIVATE TERMINAL Elevators, Crop Year 1952-53

| | Excess | Deficiency |
|--------------------|--------|------------|
| 1 Hard..... | — | — |
| 1 Northern..... | — | — |
| 2 Northern..... | — | — |
| 3 Northern..... | — | — |
| 1 C.W. Garnet..... | — | — |
| 2 C.W. Garnet..... | — | — |

No Wheat of the above grades was handled or in store in the following elevators:

| Date of Weigh-over | Elevator Company | Location |
|---------------------|--------------------------------------|----------------------|
| July 29, 1953..... | Canada Malting Co. Ltd., No. 2..... | Calgary, Alberta |
| July 31, 1953..... | Canada Malting Co. Ltd., No. 3..... | Calgary, Alberta |
| June 4, 1953..... | Canada Malting Co. Ltd..... | Winnipeg, Manitoba |
| August 7, 1952..... | Canada Malting Co. Ltd..... | Port Arthur, Ontario |
| June 8, 1953..... | Dominion Malting Co. Ltd..... | Transcona, Manitoba |
| June 27, 1953..... | National Grain Co. Ltd. (D & S)..... | Fort William, Ont. |

Table A-6.—Overages and Shortages Disclosed by Weigh-overs of Canada Western and Foreign Grain Stored in EASTERN ELEVATORS, Crop Year 1952-53

| Date of Weigh-over | Licensee | Kind of Grain | Overage | Shortage |
|--------------------|--|----------------------------------|---------|-----------|
| 1953 | | | bu. | bu. |
| Mar. 12- Apr. 8 | GODERICH— Goderich Elevator & Transit Co. Ltd. | Canada Western Wheat..... | — | 2,901-00 |
| | | Canada Western Oats..... | — | 7,486-07 |
| | | Canada Western Barley..... | — | 3,685-10 |
| | | Canada Western Rye..... | — | 54-29 |
| | | Canada Western Flaxseed..... | — | 10-44 |
| | | Canada Western Sample Grain..... | *1,840 | — |
| | | Canada Western Screenings..... | — | *17,950 |
| | | U.S.A. Corn..... | — | 143-09 |
| Feb. 26 | KINGSTON Canada Steamship Lines Limited. | Canada Western Wheat..... | — | 9,737-40 |
| | | Canada Western Oats..... | — | 501-19 |
| | | Canada Western Barley..... | — | 6,662-39 |
| | | Canada Western Rye..... | — | 38-11 |
| | | Canada Western Flaxseed..... | — | 1,881-26 |
| | | Canada Western Sample Grain..... | — | *710 |
| Feb. 13-19 | MIDLAND— Aberdeen Elevator Co. Ltd..... | Canada Western Wheat..... | — | 2,538-00 |
| | | Canada Western Oats..... | — | 835-13 |
| | | Canada Western Barley..... | 758-26 | — |
| Mar. 3-18 | Canadian National Railways.... | Canada Western Wheat..... | — | 11,201-00 |
| | | Canada Western Oats..... | — | 31-15 |
| | | Canada Western Barley..... | 217-45 | — |
| | | Canada Western Rye..... | — | 316-01 |
| Feb. 20- Mar. 2 | Midland Simcoe Elevator Co. Ltd. | Canada Western Wheat..... | — | 7,287-20 |
| | | Canada Western Oats..... | — | 972-02 |
| | | Canada Western Barley..... | — | 102-32 |

* Lbs.

Table A-6.—Overages and Shortages Disclosed by Weigh-overs of Canada Western and Foreign Grain Stored in EASTERN ELEVATORS, Crop Year 1952-53 (Continued)

| Date of Weigh-over | Licensee | Kind of Grain | Overage | Shortage |
|---------------------|---|---|----------|------------|
| 1953 | | | bu. | bu. |
| Mar. 2-10 | PORT COLBORNE— National Harbours Board..... | Canada Western Wheat..... | — | 13,192-00 |
| | | Canada Western Oats..... | — | 713-29 |
| | | Canada Western Barley..... | — | 22,622-45 |
| | | Canada Western Rye..... | — | 1,361-04 |
| | | Canada Western Flaxseed..... | — | 28-01 |
| | | U.S.A. Soybeans..... | — | 396-50 |
| Mar. 2-11 | Maple Leaf Milling Co. Ltd..... | Canada Western Wheat..... | — | 7,161-20 |
| | | Canada Western Oats..... | — | 431-03 |
| | | Canada Western Barley..... | — | 118-19 |
| | | Canada Western Rye..... | — | 55-46 |
| | | U.S.A. Corn..... | — | 8-43 |
| July 28— Aug. 7 | PORT McNICOLL— Canadian Pacific Railway Company. | Canada Western Wheat..... | — | 8,276-30 |
| | | Canada Western Oats..... | — | 412-25 |
| | | Canada Western Barley..... | — | 1,036-38 |
| | | Canada Western Rye..... | — | 96-47 |
| Feb. 12-25 | PRESCOTT— National Harbours Board..... | Canada Western Wheat..... | — | 2,321-00 |
| | | Canada Western Oats..... | — | 372-00 |
| | | Canada Western Barley..... | — | 1,421-13 |
| | | Canada Western Rye..... | — | 97-18 |
| | | Canada Western Flaxseed..... | — | 224-16 |
| | | Canada Western Mixed Grain..... | — | *500 |
| | | Canada Western Sample Grain..... | *28,560 | — |
| | | Canada Western Screenings..... | — | *70 |
| | | U.S.A. Corn..... | — | 2,292-27 |
| Mar. 25— Apr. 27 | SARNIA— Sarnia Elevator Co. Ltd..... | Canada Western Wheat..... | — | 12,614-10 |
| | | Canada Western Oats..... | — | 5,191-08 |
| | | Canada Western Barley..... | — | 1,839-29 |
| | | U.S.A. Corn..... | — | 212-22 |
| Jan. 26— Feb. 11 | TORONTO— Toronto Elevators Ltd..... | Canada Western Wheat..... | — | 9,134-30 |
| | | Canada Western Oats..... | — | 4,472-13 |
| | | Canada Western Barley..... | — | 1,584-41 |
| | | Canada Western Rye..... | — | 56-20 |
| | | Canada Western Flaxseed..... | — | 1,835-40 |
| | | Canada Western Sample Grain..... | — | *1,990 |
| | | U.S.A. Wheat..... | — | 9-10 |
| | | U.S.A. Flaxseed..... | — | 401-14 |
| | | U.S.A. Corn..... | — | 935-52 |
| | | U.S.A. Soybeans..... | — | 253-30 |
| Mar. 12-24 | WALKERVILLE— Hiram Walker & Sons Grain Corporation Limited. | Canada Western Wheat..... | — | 4,252-40 |
| | | Canada Western Oats..... | — | 431-05 |
| | | Canada Western Barley..... | — | 256-40 |
| | | Canada Western Rye..... | 51-19 | — |
| | | Origin Unknown—Screenings..... | — | *10 |
| | | U.S.A. Corn..... | — | 74-34 |
| Jan. 28— Feb. 11 | MONTREAL— National Harbours Board..... | Canada Western Wheat..... | — | 116,494-42 |
| | | Canada Western Oats..... | — | 8,607-12 |
| | | Canada Western Barley..... | — | 44,698-18 |
| | | Canada Western Rye..... | — | 7,026-45 |
| | | Canada Western Flaxseed..... | — | 2,791-37 |
| | | Canada Western Corn..... | — | 31-50 |
| | | Canada Western Buckwheat..... | 478-27 | — |
| | | Canada Western Mixed Grain..... | *156,570 | — |
| | | Canada Western Sample Grain..... | *29,170 | — |
| | | Canada Western One Feed Screenings..... | — | *810 |
| | | Origin Unknown—Screenings..... | — | *4,000 |
| | | U.S.A. Wheat..... | — | 3,071-00 |
| | | U.S.A. Oats..... | — | 206-27 |
| | | U.S.A. Barley..... | — | 130-01 |
| | | U.S.A. Hayseed..... | — | 68-55 |
| | | U.S.A. Corn..... | — | 6,054-31 |
| | | U.S.A. Soybeans..... | — | 625-00 |
| | | Argentine Oats..... | 33-08 | — |

* Lbs.
86826—5

Table A-6.—Overages and Shortages Disclosed by Weigh-overs of Canada Western and Foreign Grain Stored in EASTERN ELEVATORS, Crop Year 1952-53 (Concluded)

| Date of Weigh-over | Licensee | Kind of Grain | Overage | Shortage |
|---------------------|--|------------------------------------|---------|-----------|
| 1953 | | | bu. | bu. |
| Feb. 16-27 | Dominion Elevator Ltd..... | Canada Western Wheat..... | — | 1,875-50 |
| | | Canada Western Oats..... | — | 372-33 |
| | | Canada Western Barley..... | — | 686-19 |
| | | Canada Western Rye..... | — | 40-29 |
| | | Canada Western Corn..... | — | 1-48 |
| | | Canada Western Mixed Grain..... | — | *299 |
| | | Canada Western Sample Grain..... | — | *8,520 |
| | | Canada Western One Feed Screenings | — | *21,900 |
| | | U.S.A. Corn..... | — | 1,174-09 |
| | | Argentine Oats..... | — | — |
| Jan. 10-16 | QUEBEC— National Harbours Board Elevator | Canada Western Wheat..... | — | 14,859-20 |
| | | Canada Western Oats..... | — | 1,207-00 |
| | | Canada Western Barley..... | — | 1,695-08 |
| | | Canada Western Flaxseed..... | — | 17-05 |
| | | Canada Western Mixed Grain..... | — | *310 |
| | | Canada Western Sample Grain..... | — | *740 |
| | | Canada Western One Feed Screenings | — | *1,270 |
| | | U.S.A. Corn..... | — | 179-20 |
| Jan. 19-26 | SOREL— North American Elevators Ltd. | Canada Western Wheat..... | — | 7,728-10 |
| | | Canada Western Oats..... | — | 98-27 |
| | | Canada Western Barley..... | — | 5,655-26 |
| | | Canada Western Rye..... | — | 225-37 |
| | | Canada Western Mixed Grain..... | — | *51 |
| | | Canada Western One Feed Screenings | — | *70 |
| Jan. 19-25 | THREE RIVERS— Three Rivers Grain & Elevator Co. Ltd. | Canada Western Wheat..... | — | 14,481-30 |
| | | Canada Western Oats..... | — | 42-18 |
| | | Canada Western Barley..... | — | 65-34 |
| | | Canada Western Sample Grain..... | — | *860 |
| | | U.S.A. Corn..... | — | 1-14 |
| Sept. 26-27 1952 | HALIFAX— National Harbours Board Elevator | Canada Western Wheat..... | — | 4,337-00 |
| | | Canada Western Oats..... | — | 27-19 |
| | | Canada Western Barley..... | — | 1,367-17 |
| | | Canada Western Flaxseed..... | — | 29-38 |
| Sept. 30 1952 | ST. JOHN— Canadian National Railways Elevator..... | Canada Western Wheat..... | — | 658-20 |
| | | Canada Western Oats..... | — | 10-00 |
| | | Canada Western Barley..... | — | 10-10 |
| June 30- 1953 | Canadian National Railways Elevator. | Canada Western Wheat..... | — | 1,496-50 |
| Sept. 29- 1952 | W. ST. JOHN— Canadian Pacific Railway Elevator "B" | Canada Western Wheat..... | — | 2,359-50 |
| | | Canada Western Oats..... | — | 151-05 |
| | | Canada Western Barley..... | — | 574-15 |
| | | Canada Western Flaxseed..... | — | 117-25 |
| | | Canada Western Buckwheat..... | — | 7-11 |
| June 30- 1953 | Canadian Pacific Railway Elevator "B" | Canada Western Wheat..... | — | 4,668-50 |
| | | Canada Western Barley..... | — | 556-29 |
| | | Canada Western Rye..... | — | 39-01 |
| | | Canada Western Flaxseed..... | — | 24-55 |
| | | Canada Western Peas..... | — | 2-50 |
| Sept. 29- 1952 | Canadian Pacific Railway Elevator "H" | Canada Western Wheat..... | — | 3,207-20 |
| | | Canada Western Oats..... | — | 177-29 |
| | | Canada Western Barley..... | — | 1,179-27 |
| | | Canada Western Flaxseed..... | — | 164-14 |
| June 30- 1953 | Canadian Pacific Railway Elevator "H" | Canada Western Wheat..... | — | 6,125-40 |
| | | Canada Western Barley..... | — | 1,303-24 |
| | | Canada Western Rye..... | — | 81-22 |
| | | Canada Western Flaxseed..... | — | 569-02 |
| | | Canada Western Buckwheat..... | — | 17-07 |
| | | Canada Western Peas..... | — | 2-20 |
| | | Canada Western Refuse Screenings.. | — | *240 |

*Lbs.

APPENDIX B

Committee on Western Grain Standards, 1953

| | |
|---|--|
| D. G. McKenzie, Chief Commissioner, Board of Grain Commissioners | |
| J. Vallance, Commissioner, Board of Grain Commissioners | |
| R. W. Milner, Commissioner, Board of Grain Commissioners | |
| A. F. Dollery, Chief Grain Inspector, Board of Grain Commissioners | |
| Dr. J. A. Anderson, Chief Chemist, Grain Research Laboratory | |
| J. Forsyth, Chairman, Grain Appeal Tribunal, Winnipeg | |
| C. R. Manahan, Chairman, Grain Appeal Tribunal, Edmonton | |
| P. J. Marples, Chairman, Grain Appeal Tribunal, Calgary | |
| Dr. C. H. Goulden, Dominion Cerealist | |
| W. A. Hastings, representing the millers of wheat flour | |
| George Bennett..... | } Representing grain growers in Alberta |
| W. H. Fairfield..... | |
| Uri Powell..... | |
| B. S. Plumer..... | } Representing grain growers in Saskatchewan |
| J. H. Harrison..... | |
| A. P. Gleave..... | |
| J. Wellbelove..... | |
| L. L. Gray..... | |
| N. W. Strelloff..... | } Representing grain growers in Manitoba |
| W. J. Parker..... | |
| R. Barrett..... | |
| Ray Mitchell..... | |
| G. Constable, representing grain growers in British Columbia | |
| Nelson Young, representing Plant Products Division, Department of Agriculture | |

Committee on Eastern Grain Standards, 1953

| | |
|--|---|
| D. G. McKenzie, Chief Commissioner, Board of Grain Commissioners | |
| J. Vallance, Commissioner, Board of Grain Commissioners | |
| R. W. Milner, Commissioner, Board of Grain Commissioners | |
| A. F. Dollery, Chief Grain Inspector, Board of Grain Commissioners | |
| N. Clare Wight, representing Montreal Board of Trade | |
| E. D. Sullivan, representing Toronto Board of Trade | |
| E. G. Butler, representing exporters of grain | |
| F. H. Dunsford..... | } Representing millers of wheat in the Eastern Division |
| H. Norman Davis..... | |
| Hugh Bailey..... | } Representing grain growers in Ontario |
| J. E. Nephew..... | |
| G. C. Nichols, representing growers of corn | |
| E. B. Paterson, Additional | |
| John W. Ham, Additional | |

APPENDIX C

Grain Appeal Tribunals

| <i>Winnipeg</i> | <i>Calgary</i> | <i>Edmonton</i> |
|-----------------------|--------------------------|--------------------------|
| J. Forsyth (Chairman) | P. J. Marples (Chairman) | C. R. Manahan (Chairman) |
| Grant Hammond | T. F. Allison | C. C. Young |
| Wm. E. McLeod | J. Tranter | M. G. Wood |
| A. F. Moore | W. M. Pringle | J. R. MacRae |
| James Gregory | W. G. McLeod | T. Stickney |
| R. C. Sproule | E. J. Munson | J. A. Kyle |
| J. F. Lazenby | G. C. Arbuthnott | H. A. Haggarty |
| D. K. Mills | A. Watson | C. E. Sage |
| G. I. Rocan | G. R. Deeton | Ross Saunders |
| E. Attree (Secretary) | | D. K. McKay (Secretary) |

| <i>Toronto</i> | <i>Montreal</i> |
|------------------------------|----------------------------|
| John W. Ham | P. J. Smith (Chairman) |
| C. H. Coatsworth | A. W. Brown |
| R. C. Pratt | T. B. Earle |
| C. W. Heimbecker | J. A. Byrne |
| W. A. Robertson | J. M. Vittie |
| E. D. Sullivan | G. D. Robinson |
| K. F. Wadsworth | Helen M. Deuel (Secretary) |
| J. C. Noseworthy (Secretary) | |

For information on Appeals of Carlot Inspections refer to Appendix F, Table F-7.

APPENDIX D

Report of Licence and Bonding Branch

This Appendix presents information on licensing and bonding operations for the crop year August 1, 1952 to July 31, 1953, and reports collections made by this office of the one per cent levy under the Prairie Farm Assistance Act for the same period. Additional preliminary information on licensing is given for the 1953-54 crop year to December 1, 1953.

Licences and Bonds

In the 1952-53 crop year the Licence and Bonding office processed 5,555 applications from 120 firms and individuals. There were 5,537 licences issued, 15 transferred and three applications were withdrawn. The applications by kind of licence were as follows:

| Kind | Applications | | Licences | |
|-------------------------------------|--------------|-----------|--------------|-------------|
| | Received | Withdrawn | Issued | Transferred |
| Public Country Elevators..... | 5,355 | 2 | 5,353 | 12 |
| Private Country Elevators..... | 10 | — | 10 | — |
| Mill Elevators..... | 39 | — | 39 | 1 |
| Public Terminal Elevators..... | 6 | — | 6 | — |
| Semi-Public Terminal Elevators..... | 36 | — | 36 | 2 |
| Private Terminal Elevators..... | 7 | — | 7 | — |
| Eastern Elevators..... | 29 | — | 29 | — |
| Track Buyers..... | 21 | — | 21 | — |
| Commission Merchants..... | 27 | — | 27 | — |
| Grain Dealers..... | 10 | 1 | 9 | — |
| Transfers..... | 15 | — | — | — |
| | 5,555 | 3 | 5,537 | 15 |

In addition to the above applications for regular elevator licences, the licensing office also processed 82 applications for authority to operate buildings as "Special Annexes" under power granted by Order-in-Council P.C. 5122. Of these applications, 78 authorities were granted and four were rejected or withdrawn.

Seventeen licences were cancelled and twenty-three were suspended for various periods. Cancellations were for reasons such as conversion of elevators to annexes, or dismantling structures which were in poor condition; and suspensions were generally for repairs.

The total licensed storage capacity at July 31, 1953, with 5,456 elevator licences in force, was 551,074,070 bushels, of which 3,288,910 was in special annexes.

Guarantee bonds in the amount of \$29,314,686.50 executed by seventeen of the approved surety companies were deposited with the Board as security under section 79 of the Canada Grain Act to cover operations of the licensees during the 1952-53 crop year. In addition, five licensees deposited negotiable Government bonds with par value of \$21,000.00 in lieu of furnishing the usual form of surety bonds.

For the first portion of the 1953-54 crop year to December 1, 1953, 5,525 licences were issued covering a total storage capacity of 561,505,208 bushels, of which 4,411,738 bushels was special annex space. This is an increase of 22,215,348 bushels

since December 1, 1952. The storage capacity comprises 5,452 buildings classed as elevators under the Canada Grain Act and 82 buildings other than elevators which were authorized for operation under P.C. 5122.

Data on the kind of licences and the storage capacity of elevators are presented for the past five years (1949-1953) in Table D-1 of this Appendix. Comparative figures at five-year intervals since 1890 may be found on Page 18 of the Board's Annual Report for 1951. Further detailed information on elevators, licensed storage capacities and other relative data may be found in a booklet entitled *Grain Elevators in Canada** compiled by the Board of Grain Commissioners.

Collection of One Per Cent Levy

The collection of the one per cent levy made under the Prairie Farm Assistance Act for the crop year 1952-53 as recorded at this office amounted to \$10,874,311.99 as compared with \$8,967,076.24 collected during the previous crop year. The total collections since the inception of the Act in August, 1939 to July 31, 1953, amount to \$75,230,800.70. More detailed information on Prairie Farm Assistance Act collections is given in Tables D-2 and D-3 of this Appendix.

Respectfully submitted,
C. F. SPITTLE,
Licensing Officer.

* Obtainable from the Queen's Printer, Ottawa.

Table D-1.—Number and Kind of Licences Issued and Licensed Storage Capacity, as at December 1st Each Year for the Past Five Years

| Kind of Licence | 1953 | 1952 | 1951 | 1950 | 1949 |
|------------------------------------|----------------|----------------|----------------|----------------|----------------|
| NUMBER OF LICENCES | | | | | |
| Public Country Elevator..... | 5,326 | 5,341 | 5,354 | 5,309 | 5,076 |
| Private Country Elevator..... | 10 | 10 | 10 | 9 | 9 |
| Mill Elevator..... | 40 | 38 | 38 | 37 | 37 |
| Public Terminal Elevator..... | 6 | 6 | 6 | 6 | 6 |
| Semi-Public Terminal Elevator..... | 35 | 36 | 35 | 34 | 33 |
| Private Terminal Elevator..... | 6 | 7 | 7 | 8 | 7 |
| Eastern Elevator..... | 29 | 29 | 29 | 29 | 29 |
| Track Buyer..... | 21 | 21 | 22 | 25 | 25 |
| Commission Merchant..... | 26 | 27 | 28 | 32 | 31 |
| Grain Dealer..... | 9 | 9 | 11 | 12 | 13 |
| Totals..... | 5,508 | 5,524 | 5,510 | 5,501 | 5,266 |
| LICENSED CAPACITY | | | | | |
| thousands of bushels | | | | | |
| Public Country Elevator..... | 318,224 | 306,484 | 290,504 | 278,416 | 263,753 |
| Private Country Elevator..... | 349 | 350 | 354 | 323 | 448 |
| Mill Elevator..... | 13,495 | 13,426 | 13,306 | 13,306 | 13,306 |
| Public Terminal Elevator..... | 18,350 | 18,350 | 18,350 | 18,350 | 18,350 |
| Semi-Public Terminal Elevator..... | 114,523 | 108,455 | 114,524 | 105,991 | 104,342 |
| Private Terminal Elevator..... | 7,220 | 7,295 | 7,295 | 7,330 | 7,180 |
| Eastern Elevator..... | 84,929 | 84,930 | 82,530 | 82,514 | 82,514 |
| Totals..... | 557,093 | 539,290 | 526,863 | 506,230 | 489,893 |

Table D-2.—Amounts Collected and Grain Purchased under the One Per Cent Levy, Prairie Farm Assistance Act, 1939, for period August 1, 1952 to July 31, 1953

| Province | Wheat | Oats | Barley | Rye | Total |
|---|---------------------|-------------------|---------------------|-------------------|----------------------|
| AMOUNTS COLLECTED | | | | | |
| | \$ cts. | \$ cts. | \$ cts. | \$ cts. | \$ cts. |
| Manitoba..... | 760,092 22 | 171,692 64 | 479,449 70 | 12,681 83 | 1,423,916 39 |
| Saskatchewan..... | 5,297,496 66 | 384,910 49 | 556,231 92 | 132,255 28 | 6,370,894 35 |
| Alberta..... | 2,146,725 15 | 268,520 78 | 600,750 49 | 58,388 08 | 3,074,384 50 |
| Totals..... | 8,204,314 83 | 825,123 91 | 1,636,432 11 | 203,325 19 | 10,869,195 24 |
| Amount not allocated to provinces..... | | | | | 5,116 75 |
| Total collections August 1, 1952 to July 31, 1953..... | | | | | 10,874,311 99 |
| GRAIN PURCHASES | | | | | |
| thousands of bushels | | | | | |
| Manitoba..... | 45,804 | 24,271 | 43,991 | 882 | 114,948 |
| Saskatchewan..... | 336,993 | 54,600 | 56,546 | 9,510 | 457,649 |
| Alberta..... | 136,297 | 39,035 | 60,903 | 4,472 | 240,707 |
| Totals..... | 519,094 | 117,906 | 161,440 | 14,864 | 813,304 |

Table D-3.—Summary of Collections of One Per Cent Levy under the Prairie Farm Assistance Act, since the inception of the Act to July 31, 1953, listed by Year and Province

| Crop Year | Manitoba | Saskatchewan | Alberta | Not Allocated | Total |
|--------------------|----------------------|----------------------|----------------------|------------------|----------------------|
| | \$ cts. | \$ cts. | \$ cts. | \$ cts. | \$ cts. |
| 1939-40..... | 333,453 13 | 1,344,208 23 | 743,121 61 | 724 40 | 2,421,507 37 |
| 1940-41..... | 354,813 76 | 1,360,540 00 | 866,831 79 | 502 32 | 2,582,687 87 |
| 1941-42..... | 339,969 87 | 711,869 33 | 407,642 45 | 272 05 | 1,459,753 70 |
| 1942-43..... | 481,974 50 | 1,536,146 00 | 710,632 53 | 322 51 | 2,729,075 54 |
| 1943-44..... | 779,490 76 | 2,743,544 09 | 1,191,300 92 | 371 01 | 4,714,706 78 |
| 1944-45..... | 754,366 36 | 3,218,572 23 | 1,412,417 31 | 230 71 | 5,385,586 61 |
| 1945-46..... | 575,408 69 | 1,977,735 42 | 873,082 60 | 131 69 | 3,426,358 40 |
| 1946-47..... | 845,631 86 | 2,703,357 17 | 1,644,706 41 | 112 20 | 5,193,807 64 |
| 1947-48..... | 764,744 37 | 2,727,187 90 | 1,624,237 42 | 148 51 | 5,116,318 20 |
| 1948-49..... | 1,120,741 27 | 3,417,480 86 | 2,084,088 52 | 6,185 87 | 6,628,496 52 |
| 1949-50..... | 1,355,660 07 | 4,525,628 79 | 2,515,568 28 | 197 64 | 8,397,054 78 |
| 1950-51..... | 1,442,138 08 | 3,890,444 68 | 2,001,322 58 | 153 72 | 7,334,059 06 |
| 1951-52..... | 1,331,548 73 | 5,075,404 05 | 2,560,006 74 | 116 72 | 8,967,076 24 |
| 1952-53..... | 1,423,916 39 | 6,370,894 35 | 3,074,384 50 | 5,116 75 | 10,874,311 99 |
| Totals..... | 11,903,857 84 | 41,603,013 10 | 21,709,343 66 | 14,586 10 | 75,230,800 70 |

APPENDIX E

Report of Registration Branch

This Appendix presents statements showing total registrations and registrations for cancellation of warehouse receipts for the 1952-53 crop year. Average totals based on the previous ten crop years are included for comparison purposes. This information is contained in Tables E-1 and E-2. Table E-3 presents a summary of fees collected at different points during 1952-53 and compares the amounts with the average for the previous ten years.

For the second consecutive year all records for volume of handlings of the various registration procedures have been broken as a result of a crop which was the largest in history. Final totals for the 1952-53 crop year show increases of 61 percent for the Western Division and 80 percent for the Eastern Division over the average for ten years. While there was a notable reduction in the quantities of grain which necessitated adjustments of warehouse receipts as a result of drying, there was a corresponding increase in the volume of grain unloaded and in outward shipments, so that the registration service required by licensees of 42 public and semi-public terminal elevators in the Western Division and 29 Eastern Elevators remained at peak levels throughout the year.

In addition to the regular registration service, this Branch was responsible for the maintenance of records of grade handlings and of outstanding warehouse receipts and for the preparation of official statements required for use in connection with the annual weighover of terminal and Eastern elevators.

Respectfully submitted,

C. J. BROWNSCOMBE,

Registrar.

Table E-1.—Warehouse Receipt Registrations for Receipts and Shipments at Public and Semi-Public Terminal Elevators in the Western Division, by Point and Grain, Crop Year 1952-53 and 10 Year Average (1942-43 to 1951-52)

| Point | Grain | Crop Year 1952-53 | | 10 Year Average | |
|-------------------|-------------------|----------------------|-----------------------------|-----------------|-----------------------------|
| | | Registered | Registered for Cancellation | Registered | Registered for Cancellation |
| WESTERN DIVISION— | | thousands of bushels | | | |
| Winnipeg..... | Wheat..... | 303,705 | 288,688 | 210,505 | 222,199 |
| | Oats..... | 92,852 | 99,022 | 71,272 | 73,099 |
| | Barley..... | 116,406 | 118,084 | 50,526 | 49,634 |
| | Flax..... | 7,397 | 7,523 | 6,905 | 6,807 |
| | Rye..... | 15,316 | 11,856 | 7,839 | 7,665 |
| | Mixed Grain..... | 2,399 | 1,213 | 950 | 583 |
| | Corn..... | 19 | 19 | 71 | 77 |
| | Other Grains..... | 30 | 30 | 15 | 14 |
| Vancouver..... | Wheat..... | 107,990 | 107,530 | 49,474 | 50,524 |
| | Oats..... | 1,932 | 3,357 | 2,447 | 3,102 |
| | Barley..... | 17,116 | 18,058 | 2,252 | 2,095 |
| | Flax..... | 1 | — | 47 | 55 |
| | Rye..... | 4 | 2 | 34 | 34 |
| | Mixed Grain..... | 67 | 113 | 41 | 30 |
| | Corn..... | 5 | 1,506 | 287 | 137 |
| | Other Grains..... | — | — | 6 | 5 |
| Calgary..... | Wheat..... | 2,141 | 651 | 639 | 828 |
| | Oats..... | 29 | 31 | 170 | 170 |
| | Barley..... | 1,624 | 1,499 | 1,155 | 1,146 |
| | Flax..... | 1 | 1 | 18 | 21 |
| | Rye..... | 2 | 2 | 16 | 16 |
| | Mixed Grain..... | — | 5 | 3 | 3 |
| | Corn..... | — | — | 4 | 4 |
| | Other Grains..... | — | — | — | — |
| Edmonton..... | Wheat..... | 2,267 | 1,223 | 929 | 1,003 |
| | Oats..... | 318 | 300 | 427 | 419 |
| | Barley..... | 170 | 179 | 139 | 138 |
| | Flax..... | — | 1 | 17 | 17 |
| | Rye..... | — | — | 1 | 1 |
| | Mixed Grain..... | — | 27 | 1 | 2 |
| | Corn..... | 5 | 4 | 6 | 6 |
| | Other Grains..... | — | — | — | — |
| Lethbridge..... | Wheat..... | 1,115 | 108 | 116 | 229 |
| | Oats..... | 1 | 1 | — | 1 |
| | Barley..... | 2 | 2 | 3 | 1 |
| | Flax..... | — | — | 26 | 26 |
| | Rye..... | — | — | — | — |
| | Mixed Grain..... | — | 1 | — | — |
| Moose Jaw..... | Wheat..... | 3,548 | 234 | 1,198 | 1,560 |
| | Oats..... | 23 | 23 | 62 | 66 |
| | Barley..... | 19 | 19 | 25 | 37 |
| | Flax..... | 2 | 2 | 156 | 142 |
| | Rye..... | 18 | 18 | 1 | 2 |
| | Mixed Grain..... | — | 2 | 2 | 10 |
| | Corn..... | — | — | 4 | 1 |
| | Other Grains..... | — | — | 159 | 144 |
| Saskatoon..... | Wheat..... | 3,721 | 1,474 | 1,158 | 1,453 |
| | Oats..... | 1 | 3 | 93 | 100 |
| | Barley..... | — | 2 | 26 | 25 |
| | Flax..... | — | — | 152 | 152 |
| | Rye..... | — | — | — | — |
| | Mixed Grain..... | — | 10 | 5 | 6 |
| | Other Grains..... | 139 | 129 | 38 | 35 |

Table E-2.—Summary of Warehouse Receipt Registrations for Receipts and Shipments, by Grains, for Eastern and Western Divisions, Crop Year 1952-53 and 10 Year Average (1942-43 to 1951-52)

| Point | Grain | Crop Year 1952-53 | | 10 Year Average | |
|-----------------------|--------------------|----------------------|-----------------------------|-----------------|-----------------------------|
| | | Registered | Registered for Cancellation | Registered | Registered for Cancellation |
| WESTERN DIVISION— | | thousands of bushels | | | |
| All Points..... | Wheat..... | 424,487 | 399,908 | 264,019 | 277,796 |
| | Oats..... | 95,156 | 102,737 | 74,471 | 76,957 |
| | Barley..... | 135,337 | 137,843 | 54,126 | 53,076 |
| | Flax..... | 7,401 | 7,527 | 7,321 | 7,220 |
| | Rye..... | 15,340 | 11,878 | 7,891 | 7,718 |
| | Mixed Grain..... | 2,466 | 1,371 | 1,002 | 634 |
| | Corn..... | 29 | 1,529 | 372 | 225 |
| | Other Grains..... | 169 | 159 | 218 | 198 |
| Total—All Grains..... | | 680,385 | 662,952 | 409,420 | 423,824 |
| EASTERN DIVISION— | | | | | |
| Montreal..... | Wheat..... | 438,281 | 427,366 | 275,487 | 278,264 |
| | Oats..... | 50,089 | 49,880 | 40,256 | 39,977 |
| | Barley..... | 157,870 | 162,926 | 34,299 | 33,419 |
| | Flax..... | 11,224 | 11,155 | 5,490 | 5,494 |
| | Rye..... | 8,079 | 7,265 | 5,301 | 5,229 |
| | Mixed Grain..... | 821 | 676 | 319 | 323 |
| | Sunflower Seed.... | — | — | 11 | 11 |
| | Corn..... | 10,721 | 10,650 | 12,279 | 12,952 |
| | Screenings..... | 1,488 | 1,417 | 879 | 877 |
| | Peas..... | 59 | 59 | 16 | 22 |
| | Beans..... | 2,459 | 2,683 | 889 | 857 |
| | Buckwheat..... | 478 | 403 | 87 | 87 |
| | Other Grains..... | — | 6 | 194 | 193 |
| Total—All Grains..... | | 681,569 | 674,486 | 375,507 | 377,705 |

Table E-3.—Summary of Registration Fees Collected, Eastern and Western Divisions, Crop Year 1952-53 and 10 Year Average (1942-43 to 1951-52)

| | Crop Year 1952-53 | 10-Year Average |
|-------------------------|-------------------|------------------|
| | \$ cts. | \$ cts. |
| WESTERN DIVISION— | | |
| Winnipeg..... | 42,582 34 | 28,326 44 |
| Vancouver..... | 10,307 19 | 4,422 85 |
| Calgary..... | 239 38 | 167 73 |
| Edmonton..... | 179 73 | 124 19 |
| Lethbridge..... | 49 17 | 16 17 |
| Moose Jaw..... | 156 18 | 142 73 |
| Saskatoon..... | 219 15 | 129 79 |
| Total..... | 53,733 14 | 33,329 90 |
| EASTERN DIVISION— | | |
| Montreal..... | 13,560 49 | 7,532 17 |
| Grand Total..... | 67,293 63 | 40,862 07 |

APPENDIX F

Report of Grain Inspection Branch

This Appendix records the work of the Board's Inspection Branch during the crop year ended July 31, 1953. The report covers sampling and inspection service on carlots and cargo shipments in the Western and Eastern Divisions, grading of samples "Subject to Grade and Dockage", and other grain inspection services.

The 1952 harvest started in Southern Manitoba and central areas of Saskatchewan in the third week of July. Owing to very dry conditions the first carlots of wheat contained a considerable amount of split and cracked kernels. The presence of this degrading factor was brought to the attention of producers through a press report and as harvesting progressed, it was practically eliminated presumably by appropriate adjustments of combines. The three prairie provinces harvested a bumper crop of all cereal grains with high weights per bushel and good average quality, except for small areas of Northern Saskatchewan and Alberta where frost damage occurred.

In the Eastern Division the harvest of winter wheat started in the Essex area the first week of July—a week earlier than usual. This wheat was of exceptionally high quality with low moisture and an average weight per bushel of 63 pounds. In the area East of Chatham some rain accompanied by hot humid weather caused sprouting, resulting in a decrease in bushel weight and in grade. All other crops were harvested under ideal conditions with yield and quality above average.

A record number of carlots of grain was inspected in the Western Division. The total for 1952-53 was 402,407 as compared with 360,498 carlots for 1951-52, and a 10-year average (1942-43 to 1951-52) of 275,462 carlots.

Respectfully submitted,

A. F. DOLLERY,

Chief Grain Inspector.

WESTERN DIVISION

Table F-1.—Primary Carlot Inspections from August 1, 1952 to July 31, 1953, by Grains, compared with 1951-52 and 10-year average 1942-43 to 1951-52

| | 10-Year Average | 1951-52 | 1952-53 | 10-Year Average | 1951-52 | 1952-53 |
|----------------------|--------------------|----------------|----------------|---------------------|--------------|--------------|
| | Number of carlots | | | Percentage of total | | |
| Wheat..... | 185,927 | 249,112 | 275,771 | 67.5 | 69.1 | 68.5 |
| Oats..... | 41,524 | 46,063 | 40,649 | 15.1 | 12.8 | 10.1 |
| Barley..... | 36,593 | 55,005 | 70,850 | 13.3 | 15.3 | 17.6 |
| Rye..... | 4,696 | 5,391 | 8,221 | 1.7 | 1.5 | 2.0 |
| Flaxseed..... | 5,619 | 4,021 | 5,148 | 2.0 | 1.1 | 1.3 |
| Mixed Grain..... | 484 | 470 | 1,125 | 0.2 | 0.1 | 0.3 |
| Corn..... | 100 | 39 | 107 | * | * | * |
| Buckwheat..... | 7 | 30 | 93 | * | * | * |
| Screenings..... | 435 | 333 | 381 | 0.2 | 0.1 | * |
| Sunflower Seeds..... | 23 | — | 3 | * | — | * |
| Rapeseed..... | † | 9 | 15 | * | * | * |
| Peas..... | 54 | 25 | 39 | * | * | * |
| Soybeans..... | † | — | 5 | * | — | * |
| Totals..... | 275,462 | 360,498 | 402,407 | 100.0 | 100.0 | 100.0 |

*Less than 0.05%.

†Too few to record.

Table F-2.—Primary Carlot Inspections from August 1, 1952 to July 31, 1953, by Points, compared with 1951-52 and 10-year average 1942-43 to 1951-52

| | 10-Year Average | 1951-52 | 1952-53 | 10-Year Average | 1951-52 | 1952-53 |
|--------------------|--------------------|----------------|----------------|---------------------|--------------|--------------|
| | Number of carlots | | | Percentage of total | | |
| Winnipeg..... | 210,314 | 250,844 | 292,997 | 76.3 | 69.6 | 72.8 |
| Calgary..... | 24,344 | 42,302 | 43,375 | 8.8 | 11.7 | 10.8 |
| Edmonton..... | 22,178 | 39,384 | 43,892 | 8.1 | 10.9 | 10.9 |
| Moose Jaw..... | 4,906 | 5,246 | 5,394 | 1.8 | 1.5 | 1.3 |
| Saskatoon..... | 5,982 | 6,778 | 7,297 | 2.2 | 1.9 | 1.8 |
| Lethbridge..... | 577 | 628 | 92 | 0.2 | 0.2 | † |
| Medicine Hat..... | 3,461 | 3,293 | 3,536 | 1.3 | 0.9 | 0.9 |
| Vancouver..... | 1,755 | 7,870 | 861 | 0.6 | 2.2 | 0.2 |
| Churchill..... | *1,943 | 4,153 | 4,963 | 0.7 | 1.1 | 1.2 |
| Totals..... | 275,460 | 360,498 | 402,407 | 100.0 | 100.0 | 100.0 |

*Cars inspected during last six years only.

†Less than 0.05%.

Table F-3.—Primary Carlot Inspections from August 1, 1952 to July 31, 1953, by Grain and Grades

| Grade | Carlots | Percentage | Percentage of Total Wheat Inspections |
|------------------------------------|----------------|---------------|---|
| WHEAT | | | |
| 1 Manitoba Hard..... | 49 | 0.02 | — |
| 1 Manitoba Northern..... | 19,587 | 7.31 | — |
| 2 Manitoba Northern..... | 87,345 | 32.62 | — |
| 3 Manitoba Northern..... | 47,884 | 17.88 | — |
| 4 Manitoba Northern..... | 26,574 | 9.92 | — |
| No. 4 Special..... | 45 | 0.02 | — |
| No. 5..... | 28,614 | 10.68 | — |
| No. 6..... | 7,687 | 2.87 | — |
| Feed..... | 1,222 | 0.46 | — |
| Sample..... | 241 | 0.09 | — |
| Smutty..... | 339 | 0.13 | — |
| Tough..... | 45,359 | 16.94 | — |
| Damp..... | 348 | 0.13 | — |
| Rejected..... | 2,486 | 0.93 | — |
| No. 5 Special..... | 3 | — | — |
| Condemned..... | 2 | — | — |
| Total Red Spring Wheat..... | 267,785 | 100.00 | 97.0 |

Table F-3.—Primary Carlot Inspections from August 1, 1952 to July 31, 1953, by Grain and Grades—continued

| Grade | Carlots | Percentage | Percentage of Total Wheat Inspections |
|--|----------------|---------------|---------------------------------------|
| WHEAT—concluded | | | |
| 2 Canada Western Garnet..... | 101 | 5.48 | — |
| 3 Canada Western Garnet..... | 1,374 | 74.48 | — |
| Smutty Canada Western Garnet..... | 6 | 0.33 | — |
| Tough Canada Western Garnet..... | 333 | 18.09 | — |
| Damp Canada Western Garnet..... | 15 | 0.81 | — |
| Rejected Canada Western Garnet..... | 15 | 0.81 | — |
| Total Garnet Wheat..... | 1,844 | 100.00 | 0.7 |
| 1 Canada Western Amber Durum..... | 2 | 0.04 | — |
| 2 Canada Western Amber Durum..... | 418 | 8.03 | — |
| 3 Canada Western Amber Durum..... | 2,991 | 57.46 | — |
| 4 Canada Western Amber Durum..... | 919 | 17.71 | — |
| 5 Canada Western Amber Durum..... | 172 | 3.30 | — |
| 6 Canada Western Amber Durum..... | 19 | 0.37 | — |
| Smutty Canada Western Amber Durum..... | 11 | 0.22 | — |
| Tough Canada Western Amber Durum..... | 406 | 7.80 | — |
| Damp Canada Western Amber Durum..... | 9 | 0.17 | — |
| Rejected Canada Western Amber Durum..... | 219 | 4.21 | — |
| Sample Canada Western Amber Durum..... | 36 | 0.69 | — |
| Total Amber Durum Wheat..... | 5,202 | 100.00 | 1.9 |
| 1 Canada Western Soft White Spring..... | 8 | 2.95 | — |
| 2 Canada Western Soft White Spring..... | 174 | 64.21 | — |
| 3 Canada Western Soft White Spring..... | 64 | 23.62 | — |
| 4 Canada Western Soft White Spring..... | 1 | 0.37 | — |
| Tough Canada Western Soft White Spring..... | 19 | 7.01 | — |
| Rejected Canada Western Soft White Spring..... | 4 | 1.47 | — |
| No. 5 Special Soft White Spring..... | 1 | 0.37 | — |
| Total Soft White Spring Wheat..... | 271 | 100.00 | 0.1 |
| 1 Canada Western Mixed Wheat..... | 4 | 1.02 | — |
| 2 Canada Western Mixed Wheat..... | 4 | 1.02 | — |
| 3 Canada Western Mixed Wheat..... | 52 | 13.23 | — |
| 4 Canada Western Mixed Wheat..... | 21 | 5.34 | — |
| 5 Canada Western Mixed Wheat..... | 219 | 55.73 | — |
| 6 Canada Western Mixed Wheat..... | 17 | 4.33 | — |
| Tough Canada Western Mixed Wheat..... | 57 | 14.50 | — |
| Smutty Canada Western Mixed Wheat..... | 1 | 0.25 | — |
| Rejected Canada Western Mixed Wheat..... | 18 | 4.58 | — |
| Total Mixed Wheat..... | 393 | 100.00 | 0.2 |
| 1 Alberta Red Winter..... | 74 | 25.72 | — |
| 2 Alberta Winter..... | 129 | 46.38 | — |
| 3 Alberta Winter..... | 34 | 13.77 | — |
| 4 Alberta Winter..... | 8 | 2.90 | — |
| Tough Alberta Winter..... | 6 | 2.18 | — |
| Smutty Alberta Winter..... | 10 | 3.62 | — |
| Rejected Alberta Winter..... | 13 | 4.71 | — |
| Sample Alberta Winter..... | 2 | 0.72 | — |
| Total Alberta Winter Wheat..... | 276 | 100.00 | 0.1 |
| Total All Wheats..... | 275,771 | — | 100.00 |
| Grade | Carlots | Percentage | |
| OATS | | | |
| 1 Canada Western..... | 11 | 0.02 | |
| 2 Canada Western..... | 193 | 0.47 | |
| Extra 3 Canada Western..... | 801 | 1.97 | |

Table F-3.—Primary Carlot Inspections from August 1, 1952 to July 31, 1953, by Grain and Grades—continued

| Grade | Carlots | Percentage |
|-------------------------------|---------------|---------------|
| OATS—Concluded | | |
| 3 Canada Western..... | 4,060 | 9.99 |
| Extra 1 Feed..... | 7,125 | 17.53 |
| 1 Feed..... | 21,852 | 53.76 |
| 2 Feed..... | 3,157 | 7.77 |
| 3 Feed..... | 727 | 1.79 |
| Mixed Feed Oats..... | 44 | 0.11 |
| Rejected Oats..... | 345 | 0.85 |
| Sample..... | 431 | 1.06 |
| Tough..... | 1,891 | 4.65 |
| Damp..... | 12 | 0.03 |
| Total Oats..... | 40,649 | 100.00 |
| BARLEY | | |
| 1 Canada Western Six Row..... | 2 | — |
| 2 Canada Western Six Row..... | 1,877 | 2.65 |
| 3 Canada Western Six Row..... | 19,699 | 27.80 |
| 4 Canada Western Six Row..... | 2,469 | 3.48 |
| 1 Canada Western Two Row..... | 2 | — |
| 2 Canada Western Two Row..... | 303 | 0.44 |
| 3 Canada Western Two Row..... | 1,699 | 2.40 |
| 2 Canada Western Yellow..... | 13 | 0.02 |
| 3 Canada Western Yellow..... | 44 | 0.06 |
| 1 Feed..... | 19,256 | 27.18 |
| 2 Feed..... | 13,810 | 19.49 |
| 3 Feed..... | 3,316 | 4.68 |
| Rejected..... | 245 | 0.35 |
| Sample..... | 208 | 0.29 |
| Tough..... | 7,718 | 10.89 |
| Damp..... | 188 | 0.27 |
| Condemned..... | 1 | — |
| Total Barley..... | 70,850 | 100.00 |
| FLAX | | |
| 1 Canada Western..... | 3,975 | 77.21 |
| 2 Canada Western..... | 753 | 14.63 |
| 3 Canada Western..... | 246 | 4.78 |
| 4 Canada Western..... | 38 | 0.74 |
| Rejected..... | 3 | 0.05 |
| Sample..... | 42 | 0.78 |
| Tough..... | 87 | 1.73 |
| Damp..... | 2 | 0.04 |
| Flax and Broken Grain..... | 2 | 0.04 |
| Total Flax..... | 5,148 | 100.00 |
| RYE | | |
| 1 Canada Western..... | 39 | 0.47 |
| 2 Canada Western..... | 2,385 | 29.04 |
| 3 Canada Western..... | 3,661 | 44.52 |
| 4 Canada Western..... | 426 | 5.16 |
| Ergoty Rye..... | 834 | 10.16 |
| Rejected..... | 26 | 0.32 |
| Tough..... | 820 | 9.97 |
| Damp..... | 15 | 0.18 |
| Sample..... | 15 | 0.18 |
| Total Rye..... | 8,221 | 100.00 |

Table F-3.—Primary Carlot Inspections from August 1, 1952 to July 31, 1953, by Grain and Grades—concluded

| | Carlots | Percentage |
|-------------------------------|----------------|---------------|
| MIXED GRAIN | | |
| 1 Canada Western..... | 149 | 13.24 |
| 2 Canada Western..... | 102 | 9.07 |
| 3 Canada Western..... | 366 | 32.53 |
| 4 Canada Western..... | 150 | 13.33 |
| Tough..... | 235 | 20.89 |
| Damp..... | 20 | 1.78 |
| Sample..... | 83 | 7.38 |
| Rejected..... | 20 | 1.78 |
| Total Mixed Grain..... | 1,125 | 100.00 |
| CORN | | |
| 1 Canada Western Yellow..... | 7 | 6.54 |
| 2 Canada Western Yellow..... | 28 | 26.18 |
| 3 Canada Western Yellow..... | 30 | 28.05 |
| 4 Canada Western Yellow..... | 16 | 14.95 |
| 5 Canada Western Yellow..... | 4 | 3.74 |
| Tough..... | 16 | 14.95 |
| Damp..... | 1 | 0.93 |
| Moist..... | 1 | 0.93 |
| Wet..... | 1 | 0.93 |
| Sample..... | 3 | 2.80 |
| Total Corn..... | 107 | 100.00 |
| Buckwheat..... | 93 | — |
| Screenings..... | 381 | — |
| Sunflower Seeds..... | 3 | — |
| Soybeans..... | 5 | — |
| Peas..... | 39 | — |
| Rapeseed..... | 15 | — |
| Grand Total..... | 402,407 | — |

Table F-4.—Carlots of Tough, Damp and Straight Grain Inspected at Primary Inspection Points, August 1, 1952 to July 31, 1953

| Grain | Tough | Damp | Tough and Damp | Straight | Total |
|----------------------------|---------------|------------|----------------|----------------|----------------|
| Carlots | | | | | |
| Wheat..... | 46,180 | 372 | 46,552 | 229,219 | 275,771 |
| Oats..... | 1,891 | 12 | 1,903 | 38,746 | 40,649 |
| Barley..... | 7,718 | 188 | 7,906 | 62,944 | 70,850 |
| Rye..... | 820 | 15 | 835 | 7,386 | 8,221 |
| Flaxseed..... | 87 | 2 | 89 | 5,059 | 5,148 |
| Others..... | 251 | 21 | 272 | 1,496 | 1,768 |
| All Grains..... | 56,947 | 610 | 57,557 | 344,850 | 402,407 |
| Percentage of Total | | | | | |
| | % | % | % | % | % |
| Wheat..... | 16.7 | 0.1 | 16.8 | 83.2 | 100 |
| Oats..... | 4.7 | * | 4.7 | 95.3 | 100 |
| Barley..... | 10.9 | 0.3 | 11.2 | 88.8 | 100 |
| Rye..... | 10.0 | 0.2 | 10.2 | 89.8 | 100 |
| Flaxseed..... | 1.7 | * | 1.7 | 98.3 | 100 |
| Others..... | 14.2 | 1.2 | 15.4 | 84.6 | 100 |
| All Grains..... | 14.2 | 0.2 | 14.4 | 85.6 | 100 |

*Less than 0.05%.

Table F-5.—Number of Two Pound Samples "Subject to Grade and Dockage" Inspected During the Crop Year 1952-53 Compared with the Crop Year 1951-52

| Point | 1951-52 | 1952-53 |
|--------------------|-------------------|---------------|
| | Number of Samples | |
| Winnipeg..... | 17,995 | 12,525 |
| Calgary..... | 1,082 | 1,078 |
| Edmonton..... | 609 | 506 |
| Moose Jaw..... | 566 | 415 |
| Saskatoon..... | 939 | 884 |
| Lethbridge..... | 2,077 | 656 |
| Medicine Hat..... | 123 | 18 |
| Totals..... | 23,391 | 16,082 |

Table F-6.—Carlots Re-inspected from August 1, 1952 to July 31, 1953

| Point | In-spected | Re-inspected | Un-changed | Grades Raised | Grades Lowered | Dockage Raised | Dockage Lowered |
|--------------------|---------------------------------|---------------|---------------|---------------|----------------|----------------|-----------------|
| | Number of Carlots | | | | | | |
| Winnipeg..... | 292,997 | 42,650 | 25,014 | 8,956 | 960 | 1,045 | 6,675 |
| Calgary..... | 43,375 | 6,131 | 1,810 | 2,558 | 97 | 279 | 1,387 |
| Edmonton..... | 43,892 | 9,445 | 3,562 | 2,377 | 110 | 324 | 3,072 |
| Saskatoon..... | 7,297 | 461 | 421 | 38 | 1 | — | 1 |
| Moose Jaw..... | 5,394 | 356 | 310 | 45 | 1 | — | — |
| Medicine Hat..... | 3,536 | 15 | 4 | 9 | 1 | — | 1 |
| Lethbridge..... | 92 | — | — | — | — | — | — |
| Vancouver..... | 861 | 219 | 204 | 15 | — | — | — |
| Churchill..... | 4,963 | — | — | — | — | — | — |
| Totals..... | 402,407 | 59,277 | 31,325 | 13,998 | 1,170 | 1,648 | 11,136 |
| | Percentage of Re-inspections | | | | | | |
| | | % | % | % | % | % | % |
| Winnipeg..... | — | 100 | 58.6 | 21.0 | 2.3 | 2.5 | 15.6 |
| Calgary..... | — | 100 | 29.5 | 41.7 | 1.6 | 4.6 | 22.6 |
| Edmonton..... | — | 100 | 37.7 | 25.2 | 1.2 | 3.4 | 32.5 |
| Saskatoon..... | — | 100 | 91.3 | 8.3 | 0.2 | — | 0.2 |
| Moose Jaw..... | — | 100 | 87.1 | 12.6 | 0.3 | — | — |
| Medicine Hat..... | — | 100 | 26.6 | 60.0 | 6.7 | — | 6.7 |
| Lethbridge..... | — | — | — | — | — | — | — |
| Vancouver..... | — | 100 | 93.2 | 6.8 | — | — | — |
| Churchill..... | — | — | — | — | — | — | — |
| Totals..... | — | 100 | 52.8 | 23.6 | 2.0 | 2.8 | 18.8 |
| | Percentage of Total Inspections | | | | | | |
| | % | % | % | % | % | % | % |
| Winnipeg..... | 100 | 14.6 | 8.5 | 3.1 | 0.3 | 0.4 | 2.3 |
| Calgary..... | 100 | 14.1 | 4.2 | 5.9 | 0.2 | 0.6 | 3.2 |
| Edmonton..... | 100 | 21.5 | 8.1 | 5.4 | 0.3 | 0.7 | 7.0 |
| Saskatoon..... | 100 | 6.3 | 5.8 | 0.5 | * | — | * |
| Moose Jaw..... | 100 | 6.6 | 5.8 | 0.8 | * | — | — |
| Medicine Hat..... | 100 | 0.4 | 0.1 | 0.3 | * | — | * |
| Lethbridge..... | 100 | — | — | — | — | — | — |
| Vancouver..... | 100 | 25.4 | 23.7 | 1.7 | — | — | — |
| Churchill..... | 100 | — | — | — | — | — | — |
| Totals..... | 100 | 14.7 | 7.8 | 3.5 | 0.3 | 0.4 | 2.7 |

*Less than 0.05%.

Table F-7.—Summary of Carlot Inspections Appealed during the Crop Year 1952-53

| Item | Winnipeg | | Edmonton | | Calgary | | Total | |
|----------------------------------|------------|--------------|------------|--------------|------------|--------------|----------------|---------------|
| | Cars | Percent | Cars | Percent | Cars | Percent | Cars | Percent |
| Left as Graded.... | 629 | 93.5 | 585 | 87.0 | 530 | 82.3 | 1,744 | 87.68 |
| Grades Raised.... | 44 | 6.5 | 86 | 12.8 | 112 | 17.4 | 242 | 12.17 |
| Grades Lowered.... | — | — | 1 | 0.2 | 2 | 0.3 | 3 | 0.15 |
| Totals..... | 673 | 100.0 | 672 | 100.0 | 644 | 100.0 | 1,989 | 100.00 |
| Total Cars Inspected..... | | | | | | | 402,407 | 100.00 |
| Total Appeals..... | | | | | | | 1,989 | 0.49 |
| Total Grades Changed..... | | | | | | | 245 | 0.06 |

Table F-8.—Quantities of the Various Grains Inspected and Shipped by Vessel During the Crop Year 1952-53

| Grain | Fort William and Port Arthur | Vancouver and Victoria | Prince Rupert | Churchill | Total |
|--------------------|------------------------------------|------------------------------|-------------------|------------------|--------------------|
| | bu. | bu. | bu. | bu. | bu. |
| Wheat..... | 251,841,968 | 100,773,363 | 3,961,725 | 8,887,622 | 365,464,678 |
| Oats..... | 81,205,482 | 1,228,928 | — | — | 82,434,410 |
| Barley..... | 109,089,269 | 6,854,892 | 7,684,474 | — | 123,628,635 |
| Flaxseed..... | 6,057,004 | — | — | — | 6,057,004 |
| Rye..... | 10,676,913 | — | — | — | 10,676,913 |
| Mixed Grain*..... | 402,918 | — | — | — | 402,918 |
| Screenings*..... | 4,286,319 | 54,880 | 9,820 | — | 4,351,019 |
| Barley—U.S.A..... | — | 2,234,583 | — | — | 2,234,583 |
| Corn—U.S.A..... | — | 1,375,960 | — | — | 1,375,960 |
| Sample Grain*..... | 94,595 | 32,255 | — | — | 126,850 |
| Totals..... | 463,654,468 | 112,554,861 | 11,656,019 | 8,887,622 | 596,752,970 |

*In bushels of 50 lb.

**Table F-9.—Outward Cars Inspected—Crop Year August 1, 1952 to July 31, 1953,
Out of Public, Semi-Public and Private Elevators**

| Grain | Winnipeg | Fort William and Port Arthur | Calgary | Edmonton | Moose Jaw |
|----------------------|--------------|------------------------------------|--------------|-----------------------------------|------------|
| Number of Carlots | | | | | |
| Wheat..... | 481 | 15,867 | 412 | 727 | 206 |
| Oats..... | 1,631 | 8,511 | 61 | 115 | 251 |
| Barley..... | 633 | 5,739 | 925 | 67 | 59 |
| Flax..... | 17 | 836 | — | — | 4 |
| Rye..... | 16 | 23 | — | — | 6 |
| Mixed Grain..... | 91 | 197 | 61 | — | 34 |
| Corn..... | 10 | — | — | — | — |
| Buckwheat..... | 2 | 15 | — | — | — |
| Peas..... | 35 | — | — | — | — |
| Sunflower Seeds..... | 6 | — | — | — | — |
| Screenings..... | 462 | 4,562 | 280 | 37 | 82 |
| Sample Grain..... | — | 113 | — | — | — |
| Rapeseed..... | 2 | — | 2 | 1 | — |
| Totals..... | 3,386 | 35,863 | 1,741 | 947 | 642 |
| | Saskatoon | Lethbridge | Medicine Hat | Vancouver and Prince Rupert | Churchill |
| Wheat..... | 1,751 | 49 | 1 | 1,488 | — |
| Oats..... | 25 | — | — | 881 | 22 |
| Barley..... | 18 | 1 | — | 129 | — |
| Flax..... | 2 | — | — | — | — |
| Rye..... | 17 | — | — | 1 | — |
| Mixed Grain..... | 7 | — | 1 | — | — |
| Corn..... | — | — | — | — | — |
| Buckwheat..... | — | — | — | — | — |
| Peas..... | — | — | — | — | — |
| Sunflower Seeds..... | — | — | — | — | — |
| Screenings..... | 268 | 7 | 35 | 1,469 | 107 |
| Rapeseed..... | — | — | — | — | — |
| Sample Grain..... | — | — | — | 56 | — |
| U.S.A. Corn..... | — | — | — | 65 | — |
| Totals..... | 2,088 | 57 | 37 | 4,089 | 129 |

EASTERN DIVISION

Table F-10.—Total Carlot, Cargo and Bin Inspections, Crop Year 1952-53

| | Eastern Grain | Eastern Grain Cargoes | Western Grain Cargoes | U.S. Grain Cargoes | Bin Inspection Eastern Grain | Bin Inspection Western Grain |
|--------------------|---------------|-----------------------|-----------------------|--------------------|------------------------------|------------------------------|
| | Carlots | bu. | bu. | bu. | bu. | bu. |
| Montreal..... | 175 | 892,312 | 323,422 | 89,302 | 266,443 | 83,746 |
| Toronto..... | 1,982 | 547,487 | — | — | — | — |
| Chatham..... | 11,415 | 2,450,109 | — | — | 15,179 | — |
| Totals..... | 13,572 | 3,889,908 | 323,422 | 89,302 | 281,622 | 83,746 |

Table F-11.—Carlots, Cargoes and Bins Sampled but not Inspected (Fees Collected) Crop Year 1952-53

| | Eastern Grain | Western Grain | U.S. Grain | Totals |
|--------------------|------------------|------------------|---------------|------------------|
| Carlots | | | | |
| Montreal..... | 104 | 249 | 37 | 390 |
| Toronto..... | 73 | 1 | — | 74 |
| Chatham..... | 69 | — | — | 69 |
| Totals..... | 246 | 250 | 37 | 533 |
| Cargoes | | | | |
| | bu. | bu. | bu. | bu. |
| Montreal..... | 152,388 | 2,357,467 | — | 2,509,855 |
| Toronto..... | — | — | — | — |
| Chatham..... | 2,450,108 | 340,000 | — | 2,790,108 |
| Totals..... | 2,602,496 | 2,697,467 | — | 5,299,963 |
| Bin Sampling | | | | |
| Montreal..... | 258,977 | 13,207 | 18,440 | 290,624 |
| Toronto..... | — | — | — | — |
| Chatham..... | 1,500 | 937,371 | — | 938,871 |
| Totals..... | 260,477 | 950,578 | 18,440 | 1,229,495 |

Table F-12.—Western, Eastern and Foreign Grain Sampled for Export, Export in Bags and Inward, by Points (Fees not Collected) Crop Year 1952-53

| | Export | Export in Bags | Inward | Totals |
|--------------------|--------------------|-------------------|--------------------|--------------------|
| | bu. | bu. | bu. | bu. |
| Western Grain..... | 264,078,291 | 1,009,124 | 103,022,575 | 368,109,990 |
| Eastern Grain..... | 2,237,063 | — | 1,727,284 | 3,964,347 |
| U.S. Grain..... | 7,755 | — | 270,615 | 278,370 |
| Totals..... | 266,323,109 | 1,009,124 | 105,020,474 | 372,352,707 |
| Montreal..... | 155,018,045 | 717,196 | 102,176,665 | 257,911,906 |
| Sorel..... | 23,263,567 | — | — | 23,263,567 |
| Three Rivers..... | 23,305,722 | — | 2,843,809 | 26,149,531 |
| Quebec..... | 26,392,073 | 1,000 | — | 26,393,073 |
| Halifax..... | 14,530,407 | — | — | 14,530,407 |
| Saint John..... | 23,813,295 | 290,928 | — | 24,104,223 |
| Totals..... | 266,323,109 | 1,009,124 | 105,020,474 | 372,352,707 |

Table F-13.—Carlot Inspections from August 1, 1952 to July 31, 1953, by Grain, Grades and Points

| Grade | Montreal | Toronto | Chatham | Total |
|----------------------------------|----------|--------------|--------------|--------------|
| WHEAT | | | | |
| 2 C.E. Red Winter..... | — | — | 5 | 5 |
| 1 C.E. White Winter..... | — | 4 | 498 | 502 |
| 2 C.E. White Winter..... | 3 | 504 | 904 | 1,411 |
| 3 C.E. White Winter..... | — | 34 | 50 | 84 |
| 4 C.E. White Winter..... | — | 7 | 14 | 21 |
| 5 C.E. White Winter..... | — | 1 | 2 | 3 |
| 1 C.E. Mixed Winter..... | — | 1 | 312 | 313 |
| 2 C.E. Mixed Winter..... | — | 136 | 786 | 922 |
| 3 C.E. Mixed Winter..... | — | 4 | 14 | 18 |
| Unfit for Human Consumption..... | — | — | 10 | 10 |
| Tough..... | 1 | 353 | 778 | 1,132 |
| Damp..... | — | — | — | — |
| Smutty..... | — | 57 | 126 | 183 |
| Sample..... | — | 18 | 22 | 40 |
| Total Wheat..... | 4 | 1,119 | 3,521 | 4,644 |

OATS

| | | | | |
|------------------------|----------|-----------|----------|-----------|
| 2 C.E. White..... | — | 1 | — | 1 |
| 4 C.E..... | — | 2 | — | 2 |
| Mixed Feed Oats..... | — | 22 | — | 22 |
| 1 Feed..... | 1 | — | — | 1 |
| Seed..... | — | — | 1 | 1 |
| Tough..... | 1 | — | — | 1 |
| Rejected Mildewed..... | 1 | — | — | 1 |
| Total Oats..... | 3 | 25 | 1 | 29 |

Table F-13.—Carlot Inspections from August 1, 1952 to July 31, 1953, by Grain, Grades and Points—continued

| Grade | Montreal | Toronto | Chatham | Total |
|-------------------------------|-----------|------------|------------|------------|
| BARLEY | | | | |
| 3 C.E. Six Row..... | — | 143 | 22 | 165 |
| 4 C.E..... | 24 | 9 | 1 | 34 |
| 5 C.E..... | 8 | 8 | 1 | 17 |
| 2 Feed..... | 30 | 95 | — | 125 |
| 3 Feed..... | 5 | 27 | — | 32 |
| Tough..... | 4 | 55 | 21 | 80 |
| Damp..... | — | 2 | — | 2 |
| Sample..... | 6 | 25 | — | 31 |
| Total Barley..... | 77 | 364 | 45 | 486 |
| RYE | | | | |
| 1 C.E..... | — | — | 3 | 3 |
| 2 C.E..... | 1 | 13 | 76 | 90 |
| 3 C.E..... | — | 2 | 19 | 21 |
| 4 C.E..... | — | 2 | 9 | 11 |
| Tough..... | — | 12 | 62 | 74 |
| Sample..... | — | — | 2 | 2 |
| Total Rye..... | 1 | 29 | 171 | 201 |
| MIXED GRAIN | | | | |
| 1 C.E..... | — | — | 1 | 1 |
| 3 C.W..... | 1 | 3 | — | 4 |
| 4 C.E..... | — | 2 | — | 2 |
| Total Mixed Grain..... | 1 | 5 | 1 | 7 |
| BUCKWHEAT | | | | |
| 1 C.E..... | — | — | 2 | 2 |
| 2 C.E..... | — | — | 7 | 7 |
| Tough..... | 15 | 3 | 28 | 46 |
| Damp..... | 24 | — | 7 | 31 |
| Total Buckwheat..... | 39 | 3 | 44 | 86 |
| CORN | | | | |
| Extra Dry 1 C.E. Yellow..... | — | 1 | 566 | 567 |
| 1 C.E. Yellow..... | — | 1 | 1,939 | 1,940 |
| Extra Dry 2 C.E. Yellow..... | — | — | 221 | 221 |
| 2 C.E. Yellow..... | — | 1 | 355 | 356 |
| Extra Dry 3 C.E. Yellow..... | — | — | 50 | 50 |
| 3 C.E. Yellow..... | — | — | 59 | 59 |
| Extra Dry 4 C.E. Yellow..... | — | — | 12 | 12 |
| 4 C.E. Yellow..... | 10 | 1 | 13 | 24 |
| Extra Dry 5 C.E. Yellow..... | — | — | 2 | 2 |
| 5 C.E. Yellow..... | 21 | 1 | 8 | 30 |
| 1 C.E. White..... | — | — | 1 | 1 |
| 1 C.E. Mixed..... | — | — | 3 | 3 |

Table F-13.—Carlot Inspections from August 1, 1952 to July 31, 1953, by Grain, Grades and Points—concluded

| Grade | Montreal | Toronto | Chatham | Total |
|----------------------------|------------|--------------|---------------|---------------|
| CORN—Concluded | | | | |
| Tough..... | 1 | 10 | 943 | 954 |
| Damp..... | — | 4 | 1,066 | 1,070 |
| Moist..... | — | 3 | 637 | 640 |
| Wet..... | — | — | 72 | 72 |
| Sample..... | 1 | 14 | 2 | 17 |
| Total Corn..... | 33 | 36 | 5,949 | 6,018 |
| BEANS | | | | |
| 1 C.E. Pea..... | — | — | 299 | 299 |
| 2 C.E. Pea..... | — | — | 354 | 354 |
| 3 C.E. Pea..... | — | — | 25 | 25 |
| 4 C.E. Pea..... | — | — | 1 | 1 |
| 2 C.E. Yellow Eyes..... | — | — | 1 | 1 |
| 3 C.E. Yellow Eyes..... | — | — | 1 | 1 |
| 4 C.E. Yellow Eyes..... | — | — | 1 | 1 |
| 3 C.E. Kidney..... | — | — | 1 | 1 |
| Tough..... | — | — | 6 | 6 |
| Sample..... | — | — | 1 | 1 |
| Total Beans..... | — | — | 690 | 690 |
| SOYBEANS | | | | |
| 1 Can. Yellow..... | — | 289 | 784 | 1,073 |
| 2 Can. Yellow..... | — | 24 | 155 | 179 |
| 3 Can. Yellow..... | — | 4 | 18 | 22 |
| 4 Can. Yellow..... | — | 5 | 4 | 9 |
| 5 Can. Yellow..... | — | — | 2 | 2 |
| Tough..... | — | 13 | 17 | 30 |
| Damp..... | — | 1 | — | 1 |
| Sample..... | — | 1 | 1 | 2 |
| Total Soybeans..... | — | 337 | 981 | 1,318 |
| FLAXSEED | | | | |
| 1 C.E..... | 1 | 20 | 2 | 23 |
| 2 C.E..... | 2 | 16 | 10 | 28 |
| 3 C.E..... | — | 1 | — | 1 |
| Tough..... | — | 27 | — | 27 |
| Total Flaxseed..... | 3 | 64 | 12 | 79 |
| PEAS | | | | |
| 2 C.E. White..... | 1 | — | — | 1 |
| 2 C.W. Yellow..... | 11 | — | — | 11 |
| 3 C.W. Yellow..... | 2 | — | — | 2 |
| Total Peas..... | 14 | — | — | 14 |
| Grand Totals..... | 175 | 1,982 | 11,415 | 13,572 |

APPENDIX G

Report of Grain Weighing Branch

This Appendix presents information relating to weighing service for the 1952-53 crop year and reports other activity of the Grain Weighing Branch for the calendar year 1953.

The Grain Weighing Branch provided official weighing service in the Western Division at all terminal elevators licensed by the Board and at mill elevators when required. In the Eastern Division weighing officers not on the Board's staff were authorized to give weighing service on a fees basis.

The Chief Grain Weighmaster who is authorized to inspect scales under the Weights and Measures Act, made an annual inspection of scales at all terminal and Eastern elevators from Victoria, B.C., to Halifax, N.S., and certificates of verification covering these inspections were issued. Additional inspections were made on a semi-annual basis in behalf of the Board to ensure accurate results from the weighing equipment. Other inspections were also made when deemed desirable, or when complaints on outturns indicated necessity for inspection.

All weighing and other equipment used for receiving and shipping grain checked by this Branch has been maintained by elevator operators in a satisfactory condition of repair, even though heavy handlings and large stocks handicapped regular overhauls and replacements.

During the 1952-53 crop year, a total of 407,668 carlots of grain received into elevators were weighed in, and 49,006 carlots were weighed out. There were 77,146 cars found leaking in various degrees, chiefly through improperly installed grain doors. In addition, 10,310 cars were without seals or had defective seals. Condition reports on leaking cars were issued and supplied to the railway companies and copies were submitted for information of shippers through the elevators at which the cars were unloaded. Discussions were held with the General Supervisor of Loss and Damage Prevention of the Canadian Pacific Railway Company, and with the Inspector of Car Unloading of the Canadian National Railways, with a view to reducing loss in transit through leaky cars.

Annual Weighovers

Annual weighover of stocks of grain in terminal and Eastern elevators was carried out by teams of weighing and inspection personnel in accordance with requirements of sections 139 and 140 of the Canada Grain Act.

During the crop year 1952-53 there were twenty-eight terminals and twenty-one Eastern elevators weighed over. The usual official statements based on actual amounts of different grades of various grains found in terminals and Eastern elevators at weighovers were submitted to the Statistics Branch for comparison with records of outstanding warehouse receipts for the purpose of determining shortages and overages in accordance with sections 139 and 140 of the Canada Grain Act.

Details of volume of grain weighed and other pertinent information relating to weighing of grain is presented in Tables G-1 to G-6 of this Appendix.

In addition to the above functions of the Grain Weighing Branch, a number of complaints of outturn shortages were investigated with a view to determining possible causes of these shortages and assigning liability for them. It will be noted from Table G-6 that invisible in-transit loss or shortages are at a satisfactory level. The average loss on vessel shipment of wheat during 1952-53 was 27 pounds per thousand bushels.

Respectfully submitted,

S. M. CAPON,

Chief Weighmaster.

Table G-1.—Gross Quantity of All Grains Weighed in the Western Division (Excluding Fort William and Port Arthur)
During 1952-53 Crop Year

RECEIPTS

| Point | Wheat | Oats | Barley | Rye | Flaxseed | Canadian Corn | U.S.A. Barley | U.S.A. Corn | Canadian Buckwheat | Canadian Miscellaneous |
|------------------------------------|--------------------|------------------|-------------------|---------------|---------------|---------------|------------------|--------------|--------------------|------------------------|
| | bu. | bu. | bu. | bu. | bu. | bu. | bu. | bu. | bu. | lb. |
| Vancouver and New Westminster..... | 105,574,275 | 1,956,157 | 5,412,538 | 3,944 | 821 | — | 2,269,493 | 5,214 | — | 7,978,110 |
| Victoria..... | 901,758 | 567 | 1,271,264 | — | — | — | — | — | — | — |
| Prince Rupert..... | 4,520,283 | 1,579 | 8,333,758 | — | — | — | — | — | — | — |
| Churchill..... | 8,666,743 | 424 | — | — | — | — | — | — | — | — |
| Calgary..... | 2,189,755 | 29,281 | 1,624,800 | 1,600 | 1,048 | — | — | — | — | 13,040 |
| Edmonton..... | 2,350,507 | 318,649 | 170,677 | — | — | 5,209 | — | — | — | — |
| Lethbridge..... | 1,139,806 | 658 | 1,881 | — | 10 | — | — | — | — | — |
| Moose Jaw..... | 3,624,485 | 22,870 | 18,694 | 17,507 | 1,569 | — | — | — | — | 6,997,300 |
| Saskatoon..... | 3,823,782 | 455 | — | 7,746 | 7,184 | — | — | — | 1,482 | 16,377,255 |
| North Transcona..... | 724,554 | 78,886 | 99,978 | — | — | — | — | — | — | — |
| Kenora..... | — | — | — | — | — | — | — | — | — | — |
| Total Receipts..... | 133,531,918 | 2,409,526 | 16,933,590 | 30,797 | 10,632 | 5,209 | 2,269,493 | 5,214 | 1,482 | 31,365,685 |

SHIPMENTS

| | | | | | | | | | | |
|------------------------------------|--------------------|------------------|-------------------|---------------|---------------|--------------|------------------|------------------|--------------|--------------------|
| Vancouver and New Westminster..... | 102,718,044 | 3,348,332 | 6,079,211 | 1,707 | 122 | — | 2,237,078 | 607,854 | — | 109,073,955 |
| Victoria..... | 852,670 | 7,529 | 1,056,824 | — | — | — | — | 898,534 | — | 1,011,740 |
| Prince Rupert..... | 3,981,726 | 44,330 | 8,684,472 | — | — | — | — | — | — | 5,373,340 |
| Churchill..... | 8,620,666 | 67,371 | 1,498,541 | 1,600 | 1,048 | — | — | — | — | 6,333,192 |
| Calgary..... | 660,549 | 262,853 | 178,811 | — | 506 | 3,618 | — | 735 | — | 3,132,770 |
| Edmonton..... | 1,222,521 | 658 | 1,782 | — | — | — | — | — | — | 4,800,840 |
| Lethbridge..... | 108,436 | 22,870 | 18,694 | 17,507 | 1,569 | — | — | — | — | 1,334,605 |
| Moose Jaw..... | 233,538 | 2,614 | 2,245 | 7,746 | 98 | — | — | — | — | 4,122,280 |
| Saskatoon..... | 1,474,235 | 232,882 | 97,528 | — | 7,183 | — | — | — | — | 11,194,955 |
| North Transcona..... | 211,785 | — | — | — | — | — | — | — | 1,482 | 12,077,570 |
| Kenora..... | — | — | — | — | — | — | — | — | — | 28,730 |
| Total Shipments..... | 120,410,652 | 3,989,439 | 17,618,108 | 28,560 | 10,526 | 3,618 | 2,237,078 | 1,507,123 | 1,482 | 158,493,977 |

Table G-2.—Gross Quantities of Various Grains Weighed Into and Out of Elevators at Fort William-Port Arthur During the Crop Year 1952-53

RECEIPTS

| Grain | Receipts from Western Canada | Transfer Receipts | | Total |
|---------------------------------|------------------------------------|-------------------|--------|-------------|
| | | Rail | Vessel | |
| | bu. | bu. | bu. | bu. |
| Wheat..... | 291,495,292 | 2,236,875 | 54,400 | 293,786,567 |
| Durum..... | 9,386,896 | 18,826 | — | 9,405,722 |
| Oats..... | 94,088,990 | 1,991,227 | 61,110 | 96,141,327 |
| Barley..... | 123,841,772 | 2,102,405 | — | 125,944,177 |
| Rye..... | 14,750,297 | 1,087,388 | — | 15,837,685 |
| Flaxseed..... | 8,915,526 | 82,298 | — | 8,997,824 |
| Canadian Western Buckwheat..... | 29,290 | — | — | 29,290 |
| Canadian Corn..... | 9,549 | — | — | 9,549 |
| U.S.A. Corn..... | 9,430 | — | — | 9,430 |
| Mixed Grain (lb.)..... | 101,241,610 | 2,936,300 | — | 104,227,910 |
| Sample Grain (lb.)..... | 12,202,160 | 4,547,330 | — | 16,749,490 |
| All Screenings (lb.)..... | 20,433,881 | 12,284,752 | — | 32,718,633 |

SHIPMENTS

| Grain | Vessel | Rail | Transfer Shipments | | Total |
|---------------------------------|-------------|-------------|--------------------|--------|-------------|
| | | | Rail | Vessel | |
| Wheat..... | 245,720,972 | 23,510,438 | 2,218,684 | 54,665 | 271,504,759 |
| Durum..... | 6,088,762 | 3,164,208 | 20,896 | — | 9,273,866 |
| Oats..... | 81,179,048 | 17,769,296 | 1,976,496 | 55,289 | 100,980,129 |
| Barley..... | 109,023,250 | 11,393,710 | 2,117,598 | — | 122,534,558 |
| Rye..... | 10,689,910 | 71,457 | 1,088,068 | — | 11,849,435 |
| Flaxseed..... | 6,044,005 | 1,536,814 | 84,808 | — | 7,665,627 |
| Canadian Western Buckwheat..... | — | 28,128 | — | — | 28,128 |
| Canadian Corn..... | — | 9,543 | — | — | 9,543 |
| U.S.A. Corn..... | — | 9,426 | — | — | 9,426 |
| Mixed Grain (lb.)..... | 27,215,330 | 18,883,586 | 3,944,812 | — | 50,047,728 |
| Sample Grain (lb.)..... | 1,057,110 | 12,336,010 | 3,139,340 | — | 16,532,460 |
| All Screenings (lb.)..... | 265,180,280 | 294,613,620 | 13,974,622 | — | 573,768,522 |

Table G-3.—Number of Carlots of All Grain Weighed at Interior Points Other Than Public Interior Terminals, Crop Years 1951-52 and 1952-53

| Point | 1951-52 | 1952-53 |
|--------------------------|---------------|---------------|
| | carlots | |
| Keewatin and Kenora..... | 5,624 | 6,055 |
| Winnipeg..... | 12,342 | 12,060 |
| Saskatoon..... | 5,996 | 6,290 |
| Moose Jaw..... | 4,725 | 4,312 |
| Calgary..... | 7,315 | 7,497 |
| Edmonton..... | 445 | 493 |
| Medicine Hat..... | 3,680 | 4,361 |
| Lethbridge..... | 33 | 45 |
| Churchill..... | 4,278 | 5,094 |
| Totals..... | 44,428 | 46,207 |

Table G-4.—Number of Cars Leaking and Cars with Missing Seals at the Lakehead, at Winnipeg Yards and at Other Points, by Railway, for Crop Year 1952-53

| Destination | Cars Leaking | | Missing Seals | |
|-----------------------------------|---------------|---------------|---------------|--------------|
| | C.N.R. | C.P.R. | C.N.R. | C.P.R. |
| Lakehead Elevators and Yards..... | 27,643 | 31,602 | 1,245 | 2,845 |
| Other Points..... | 7,942 | 9,959 | 1,203 | 1,723 |
| Totals..... | 35,585 | 41,561 | 2,448 | 4,568 |
| Total Both Railways..... | 77,146 | | 7,016 | |
| Winnipeg Yards..... | 3,074 | 4,553 | 1,266 | 2,028 |

Table G-5.—Number of Cars Weighed at all Points and Percentage of such Cars found Leaking or with Defective Seals, Crop Years, 1951-52 and 1952-53

| | Number | | Percentage of Total | |
|--|---------|---------|---------------------|---------|
| | 1951-52 | 1952-53 | 1951-52 | 1952-53 |
| Cars Weighed in..... | 368,045 | 407,668 | 100.0 | 100.0 |
| Inward Cars Leaking..... | 62,474 | 77,146 | 17.0 | 17.1 |
| Inward Cars with Missing or Defective Seals..... | 7,000 | 7,016 | 1.9 | 1.7 |
| Cars Weighed Out..... | 59,546 | 49,006 | — | — |

Table G-6.—Average Reported Shortages in pounds per 1,000 bushels on the various grains loaded at Fort William and Port Arthur and unloaded at Canadian and United States ports for the 1952-53 Crop Year.

| Grain | Bushels | Shortage in Pounds per 1,000 Bushels |
|-----------------------------|-------------|---|
| CANADIAN PORTS | | |
| Wheat..... | 224,651,289 | 25.1 |
| Durum Wheat..... | 4,997,109 | 21.7 |
| Oats..... | 39,258,214 | 18.3 |
| Barley..... | 85,307,068 | 27.0 |
| Rye..... | 4,078,832 | 48.9 |
| Flaxseed..... | 5,990,728 | 29.9 |
| Mixed Grain (in lbs.)..... | 21,714,790 | .5 lbs. per 1,000 lbs. |
| Sample Grain (in lbs.)..... | 10,415,910 | .5 lbs. per 1,000 lbs. |
| Screenings (in tons)..... | 28,912 | 1.9 lbs. per ton |
| UNITED STATES PORTS | | |
| Wheat..... | 20,862,749 | 30.8 |
| Durum Wheat..... | 831,519 | 44.9 |
| Oats..... | 41,873,812 | 27.1 |
| Barley..... | 23,577,686 | 44.5 |
| Rye..... | 6,538,020 | 54.6 |
| Sample Grain (in lbs.)..... | 2,162,250 | 1.6 lbs. per 1,000 lbs. |
| Screenings (in tons)..... | 99,192 | Nil |

Table G-6.—Average Reported Shortages in pounds per 1,000 bushels on the various grains loaded at Fort William and Port Arthur and unloaded at Canadian and United States ports for the 1952-53 Crop Year—concluded

| Grain | Bushels | Shortage in Pounds per 1,000 Bushels |
|---|-------------|--------------------------------------|
| TOTAL CANADIAN AND UNITED STATES PORTS | | |
| Wheat..... | 245,514,038 | 27.1 |
| Durum Wheat..... | 5,828,628 | 25.0 |
| Oats..... | 81,132,026 | 22.8 |
| Barley..... | 108,884,754 | 30.8 |
| Rye..... | 10,616,852 | 52.4 |
| Flaxseed..... | 5,990,728 | 29.9 |
| Mixed Grain (in lbs.)..... | 21,714,790 | -5 lbs. per 1,000 lbs. |
| Sample Grain (in lbs.)..... | 12,578,160 | -7 lbs. per 1,000 lbs. |
| Screenings (in tons)..... | 128,104 | -4 lbs. per ton |

EUROPE DIRECT

| | | |
|---------------|---------|---|
| Wheat..... | 206,911 | (No record of outturns received. These figures not included in Bill of Lading totals used in calculating average shortage per 1,000 bushels.) |
| Barley..... | 211,534 | |
| Rye..... | 61,211 | |
| Flaxseed..... | 53,277 | |

APPENDIX H

Report of Statistics Branch

This Appendix summarizes grain statistics for the 1952-53 crop year and the 1953 season of navigation on the Great Lakes, and reviews other activities during 1953. This Branch continued its major function of maintaining records and publishing for distribution without charge, regular bulletins on grain stocks and handlings in all positions.

Grain Supplies and Disposition

The 1952-53 crop year opened with above average carryovers of all grains except flaxseed. To these stocks were added the record 1952 wheat crop of 688 million bushels, a near record oats production (467 million bushels) and good harvests of the remaining three principal grains (barley 291, rye 25, and flaxseed 13 million bushels). Thus a total supply of 1,899 million bushels of the five grains was available. Of this total, an all-time record volume of 583 million bushels was exported; domestic needs including feed, seed and human consumption utilized 660 millions, leaving 656 millions for carryover at July 31, 1953. These data are elaborated in Tables H-1 to H-3.

Marketings

Deliveries of grain from farms into the elevator system during the crop year 1952-53 amounted to a record 849.2 million bushels. Deliveries to Western country elevators were 832.8 million bushels of the five commercial grains, and to Eastern elevators 6.4 millions with the remaining 10.0 million bushels delivered to interior private terminals and mill elevators, loaded over platforms or trucked directly to the United States. Details of farm marketings are given in Table H-4.

Terminal and Eastern Handlings

The volume of grain received by the elevators at Fort William and Port Arthur (530.9 millions) all but equalled the 531.5 million bushel record established under wartime conditions in 1944-45. Lake shipments of 458.6 millions were also second only to the huge 1944-45 movement. Pacific seaboard terminals established a new record for vessel loadings as ocean clearances totalled 121.5 million bushels of wheat, oats and barley compared to 113 millions in 1951-52. In the same pattern, 8.6 million bushels of wheat were shipped from the Port of Churchill further extending the steady expansion of loadings from this Northern outlet.

Eastern elevators as the major link in grain movement from the Lakehead for export and for domestic consumption handled nearly 400 million bushels in 1952-53. Shipments to Canadian mills, distilleries, manufacturing plants and feeders involved 9.9 millions. Overseas exports from these elevators amounted to 279.1 millions, and a further 13.9 millions moved directly into United States domestic channels. The Port of Montreal with export shipments of 164.4 millions held its position as the major handling unit in the Eastern system, although the Maritime ports of Saint John, New Brunswick and Halifax, N.S., handled record post war loadings of 38.3 million bushels. Tables H-5 to H-9 give further details of these handlings.

Exports

Canada's exports of grain and milled products constituted on all-time record at 583 million bushels to place Canada as the major grain exporting nation of the world. Export data are presented in detail in the publication "*Canadian Grain Exports 1952-53*" prepared by this Branch*. Canada also supplanted the United States as the leading wheat exporter with total clearances of wheat and wheat flour at 385.9 millions. This volume was exceeded only once in our history as a grain producing nation when 407.6 millions were exported in 1928-29. However, changes and refinements in methods of keeping records made in 1936 and in subsequent years have eliminated duplication which may have inflated the 1928-29 data.

Exports of Canadian barley rose to 118.9 million bushels for the year to establish another new record. Oats exports at 64.9 millions were down from last year. Clearances of both rye (9.0) and flaxseed (4.1) were increased over 1951-52 for a coarse grain total of 196.8 million bushels compared with 149.2 millions in the previous year. Detailed data on this export movement appear in Tables H-11 to H-13.

Lake Transportation 1953 Season

The 1953 season of navigation on the Great Lakes opened on March 27, 1953, with the arrival of the S.S. *Shaughnessy* at Fort William and Port Arthur and closed on December 14 with the clearing of the S.S. *Mohawk Deer*. The March opening coincided with the previous earliest opening in 1945 but the closing date was ten days short of the December 24 late closing record set in 1923. A total of 1,833 boats loaded grain at Fort-William Port Arthur during the season with a cargo volume of 441.7 million bushels of wheat and coarse grains. This shipping total was down slightly from the volume of 450.8 millions recorded for 1952 but still reflected the fourth heaviest season in Lakehead history. The oats, barley and rye individual grain totals constituted all-time highs at 98.2 millions, 110.5 millions and 17.7 million bushels respectively. Wheat alone at 209.1 millions was down from the 1952 volume but still substantially in excess of the average of recorded yearly volume of 171.0 millions.

Lake freight rates for the movement of wheat from the Lakehead to Canadian ports held at the maximum rates specified in the Board's Order No. 19 issued on February 5, 1951. Rates on wheat cargoes to Buffalo were quoted at a weighted average of 8.9 cents Canadian, to Duluth from the Lakehead 5.5 cents, with limited cargoes to Chicago at 9.0 cents and slightly over, and to Oswego at 9.0 cents and 9.5 cents per bushel. In accordance with the Inland Water Freight Rates Act, shippers filed charter confirmations with this office on lake grain cargoes and monthly weighted average freight rates statements were prepared from them. Summary of these rates for the 1953 season appears in Table H-14.

*Available without charge from Statistics Branch, Board of Grain Commissioners for Canada, Winnipeg, Manitoba.

General

Elevator licensees filed insurance policies covering in-store grain under section 102 of the Canada Grain Act. These policies have been recorded and checked to ensure adequate coverage and protection for owners of stored grain. Detailed price records covering transactions on the principal world markets have been maintained in this office and weekly, monthly and annual statements covering Canadian grain prices were released. Statements covering weighovers of grain in terminal and Eastern elevators during the crop year as carried out under the authority of sections 139 and 140 of the Canada Grain Act have been compiled and submitted to the Board.

The offices of the Statistics Branch were removed from Fort William to Winnipeg in January, 1953. During 1953 installation of a punch-card system for handling data was initiated. This installation is now used for processing Research Laboratory data, daily car inspection information of the Inspection Branch, and for tabulating and summarizing certain data of the Statistics Branch.

In co-operation with the Canadian Wheat Board and with valuable suggestions from individuals and organizations interested in grain handling, a change in procedure for recording grain data was made. Effective from August 1, 1953, grain data are now recorded in bushels and tenths of a bushel instead of bushels and pounds. This change was designed to facilitate maintenance of records and handling and publishing of statistics.

Respectfully submitted,

E. E. BAXTER,

Chief Statistician.

Table H-1.—July 31 Carry-Over of Canadian Wheat

| | 1953 | 1952 | 1951 |
|---|--------------------|--------------------|--------------------|
| | bu. | bu. | bu. |
| On Farms, estimated..... | 92,016,000 | 19,262,000 | 22,260,000 |
| In Country, Private Terminal, and Mill Elevators..... | 160,973,962 | 103,731,183 | 82,834,693 |
| In Public and Semi-Public Elevators..... | 53,176,644 | 28,018,842 | 48,006,907 |
| In Store at and Afloat to Eastern Elevators..... | 52,402,160 | 42,114,122 | 17,698,467 |
| In Eastern Flour Mills..... | 2,562,748 | 1,995,796 | 1,990,847 |
| In Transit Rail—East and West..... | 19,068,914 | 19,812,200 | 14,398,649 |
| In Store and in Transit in the United States..... | 639,881 | 2,243,683 | 2,013,104 |
| Totals..... | 380,840,309 | 217,177,826 | 189,202,667 |

Table H-2.—Supply and Disposition of Canadian Grain, Crop Year 1952-53

| | Wheat | Oats | Barley | Rye | Flaxseed |
|-------------------------------------|--------------------|--------------------|--------------------|-------------------|-------------------|
| | bu. | bu. | bu. | bu. | bu. |
| Carry-over at Aug. 1, 1952..... | 217,177,826 | 108,358,284 | 79,503,741 | 8,094,397 | 2,463,918 |
| Production..... | 687,922,000 | 466,805,000 | 291,379,000 | 24,557,000 | 12,961,000 |
| Total Supply..... | 905,099,826 | 575,163,284 | 370,882,741 | 32,651,397 | 15,424,918 |
| Total Disposition..... | 524,259,517 | 431,445,732 | 259,319,144 | 16,014,435 | 12,293,026 |
| Carry-over July 31 1953..... | 380,840,309 | 143,717,552 | 111,563,597 | 16,636,962 | 3,131,892 |

Table H-3.—Exports of Canadian Grain and Grain Products, Crop Years 1952-53 and 1951-52

| | Wheat | Oats | Barley | Rye | Flaxseed |
|--|--------------------|-------------------|--------------------|------------------|------------------|
| | bu. | bu. | bu. | bu. | bu. |
| Crop Year 1952-53..... | 329,025,828 | 64,857,405 | 118,857,286 | 8,993,491 | 4,060,285 |
| Wheat Flour, Oatmeal, etc., equivalent to..... | 56,879,357 | 514,000 | — | — | — |
| Totals..... | 385,905,185 | 65,371,405 | 118,857,286 | 8,993,491 | 4,060,285 |
| Crop Year 1951-52..... | 304,721,956 | 69,579,045 | 69,915,314 | 6,819,536 | 2,881,803 |
| Wheat Flour, Oatmeal, etc., equivalent to..... | 51,103,296 | 1,067,339 | — | — | — |
| Totals..... | 355,825,252 | 70,646,384 | 69,915,314 | 6,819,536 | 2,881,803 |

Table H-4.—Production, Producers' Marketings, and Inspections of Grain in Western Canada, by Provinces, Crop Year 1952-53

| | Wheat | Oats | Barley | Rye | Flaxseed |
|--------------------------------|--------------------|--------------------|--------------------|-------------------|-------------------|
| | bu. | bu. | bu. | bu. | bu. |
| Production— ¹ | | | | | |
| Manitoba..... | 57,000,000 | 65,000,000 | 71,000,000 | 924,000 | 5,700,000 |
| Saskatchewan..... | 435,000,000 | 152,000,000 | 92,000,000 | 14,200,000 | 4,300,000 |
| Alberta and British Columbia.. | 173,973,000 | 134,300,000 | 119,622,000 | 7,867,000 | 2,090,000 |
| Totals..... | 665,973,000 | 351,300,000 | 282,622,000 | 22,991,000 | 12,090,000 |

Table H-4.—Production, Producers' Marketings, and Inspections of Grain in Western Canada, by Provinces, Crop Year 1952-53—concluded

| — | Wheat | Oats | Barley | Rye | Flaxseed |
|---|--------------------|--------------------|--------------------|-------------------|------------------|
| | bu. | bu. | bu. | bu. | bu. |
| Producers' Marketings at: ² | | | | | |
| Country Elevators— ³ | | | | | |
| Manitoba..... | 45,567,826 | 24,913,384 | 44,459,472 | 998,637 | 3,487,036 |
| Saskatchewan..... | 348,777,550 | 54,584,419 | 57,912,116 | 10,340,284 | 2,834,344 |
| Alberta..... | 133,100,452 | 38,300,885 | 61,327,294 | 4,544,544 | 1,687,837 |
| Totals..... | 527,445,828 | 117,798,688 | 163,698,882 | 15,883,465 | 8,009,217 |
| Loaded over Platforms— | | | | | |
| Manitoba..... | 108,855 | 42,746 | 189,536 | 1,400 | 7,029 |
| Saskatchewan..... | 250,703 | 23,388 | 51,345 | 4,442 | 8,567 |
| Alberta..... | 139,459 | 75,793 | 34,467 | 2,132 | 2,416 |
| Totals..... | 499,017 | 141,927 | 275,348 | 7,974 | 18,012 |
| Interior Public and Smei-Public | | | | | |
| Terminals— | | | | | |
| Manitoba..... | 5,768 | 8,990 | 18,535 | — | — |
| Saskatchewan..... | — | — | — | — | — |
| Alberta..... | 7,099 | 309,211 | 149,602 | — | — |
| Totals..... | 12,867 | 318,201 | 168,137 | — | — |
| Private and Mill Elevators— | | | | | |
| Manitoba..... | 446,489 | 189,590 | 32,820 | — | 130,791 |
| Saskatchewan..... | 3,080,240 | 296,236 | 196,102 | 38,840 | 9,562 |
| Alberta..... | 2,678,230 | 705,299 | 201,592 | 112,816 | 135,851 |
| Totals..... | 6,204,959 | 1,191,125 | 430,514 | 151,656 | 276,204 |
| Trucked from Farms into United | | | | | |
| States— ⁴ | | | | | |
| Manitoba..... | 22,991 | 1,650 | 837 | — | — |
| Saskatchewan..... | 20,895 | 6,707 | 151,341 | — | — |
| Alberta..... | 2,451 | 19,919 | 58,873 | 533 | — |
| Totals..... | 46,337 | 28,276 | 211,051 | 533 | — |
| Total Producers' Marketings— | | | | | |
| Manitoba..... | 46,151,929 | 25,156,360 | 44,701,200 | 1,000,037 | 3,624,856 |
| Saskatchewan..... | 352,129,388 | 54,910,750 | 58,310,904 | 10,383,566 | 2,852,473 |
| Alberta..... | 135,927,691 | 39,411,107 | 61,771,828 | 4,660,025 | 1,826,104 |
| Totals..... | 534,209,008 | 119,478,217 | 164,783,932 | 16,043,628 | 8,303,433 |
| Inspections of Grain Grown in— ⁵ | | | | | |
| Manitoba..... | 37,546,770 | 18,614,191 | 37,252,903 | 878,230 | 2,848,288 |
| Saskatchewan..... | 316,577,537 | 64,363,438 | 69,629,097 | 10,079,877 | 3,147,326 |
| Alberta and British Columbia... | 116,243,661 | 22,523,171 | 37,678,107 | 3,475,520 | 1,266,019 |
| Totals..... | 470,367,968 | 105,500,800 | 144,560,107 | 14,433,627 | 7,261,633 |

¹ Gross production estimates by Dominion Bureau of Statistics.² Points in Ontario west of Fort William are included in Manitoba figures; country points in the Peace River valley situated in British Columbia are included in Alberta figures.³ Subject to revision.⁴ Customs returns, Dominion Bureau of Statistics.⁵ Cars inspected converted to bushels, using the average net bushel out-turn per car inspected for each grain.**Table H-5.—Primary Receipts and Shipments of Canadian Grain at Eastern Elevators, Crop Year 1952-53**

| — | Wheat | Oats | Barley | Rye | Flaxseed |
|----------------|-------------|------------|------------|-----------|-------------|
| | bu. | bu. | bu. | bu. | bu. |
| Receipts..... | 259,612,085 | 41,741,123 | 86,511,568 | 4,613,628 | 7,393,291 |
| Shipments..... | 249,210,451 | 41,937,041 | 90,961,127 | 3,791,856 | 7,322,073 |
| | Corn | Beans | Buckwheat | Peas | Mixed Grain |
| | bu. | bu. | bu. | bu. | lb. |
| Receipts..... | 5,129,770 | 1,191,487 | 438,539 | 59,077 | 21,535,490 |
| Shipments..... | 4,622,294 | 1,518,928 | 357,822 | 59,077 | 14,152,790 |

Table H-6.—Primary Receipts and Shipments of United States Grain at Eastern Elevators, Crop Year 1952-53

| | Barley | Corn | Beans |
|----------------|--------|-----------|-----------|
| | bu. | bu. | bu. |
| Receipts..... | — | 3,609,979 | 1,165,109 |
| Shipments..... | 71,708 | 3,885,356 | 1,061,058 |

Table H-7.—Shipments of Foreign Grain from Canadian Elevators into Canadian Consumptive Channels, Crop Year 1952-53

| | United States Wheat | United States Oats | United States Barley | United States Rye | United States Flaxseed | Corn | Beans |
|--|---------------------|--------------------|----------------------|-------------------|------------------------|-----------|---------|
| | bu. | bu. | bu. | bu. | bu. | bu. | bu. |
| Ex. Eastern Elevators..... | — | — | — | — | — | 2,684,979 | 894,742 |
| Fort William-Port Arthur.. | — | — | — | — | — | 9,425 | — |
| Interior Terminals..... | — | — | — | — | — | 735 | — |
| Interior Private and Mill Elevators..... | — | — | — | 2,120 | — | 447,056 | — |
| Pacific Coast Elevators.... | — | — | — | — | — | 130,427 | — |

Table H-8.—Primary Receipts and Shipments of Canadian Grain at Terminal Elevators, Crop Year 1952-53

| | Wheat | Oats | Barley | Rye | Flaxseed |
|----------------------------|-------------|------------|-------------|------------|-----------|
| | bu. | bu. | bu. | bu. | bu. |
| Fort William-Port Arthur— | | | | | |
| Receipts..... | 293,613,601 | 92,920,673 | 121,951,502 | 14,290,307 | 7,245,207 |
| Shipments..... | 278,484,037 | 98,948,343 | 120,416,943 | 10,760,958 | 7,437,664 |
| Vancouver-New Westminster— | | | | | |
| Receipts..... | 101,819,817 | 1,929,322 | 5,308,325 | 3,925 | 821 |
| Shipments..... | 101,686,410 | 3,347,705 | 6,046,506 | 1,707 | 116 |
| Victoria— | | | | | |
| Receipts..... | 876,779 | 489 | 1,255,718 | — | — |
| Shipments..... | 852,671 | 7,529 | 1,056,825 | — | — |
| Prince Rupert— | | | | | |
| Receipts..... | 4,347,309 | 1,439 | 8,237,766 | — | — |
| Shipments..... | 3,961,725 | — | 8,684,472 | — | — |
| Churchill— | | | | | |
| Receipts..... | 8,456,842 | 425 | — | — | — |
| Shipments..... | 8,620,656 | 44,330 | — | — | — |
| Transcona— | | | | | |
| Receipts..... | 706,960 | 78,774 | 99,683 | 7,747 | 7,184 |
| Shipments..... | 363,373 | 232,882 | 97,528 | 7,747 | 7,184 |
| Kenora— | | | | | |
| Receipts..... | — | — | — | — | — |
| Shipments..... | 209,952 | — | — | — | — |

Table H-9.—Receipts and Shipments of Canadian Grain at Canadian Government Interior Terminal Elevators, Crop Year 1952-53

| — | Wheat | Oats | Barley | Rye | Flaxseed |
|--------------------|-------------------|----------------|------------------|---------------|--------------|
| | bu. | bu. | bu. | bu. | bu. |
| Receipts— | | | | | |
| Calgary..... | 2,140,569 | 29,108 | 1,623,994 | 1,600 | 1,048 |
| Edmonton..... | 2,266,846 | 317,850 | 170,263 | — | — |
| Lethbridge..... | 1,114,513 | 658 | 1,861 | — | 10 |
| Moose Jaw..... | 3,547,377 | 22,870 | 18,694 | 17,507 | 1,569 |
| Saskatoon..... | 3,715,759 | 455 | — | — | — |
| Totals..... | 12,785,064 | 370,941 | 1,814,812 | 19,107 | 2,627 |
| Shipments— | | | | | |
| Calgary..... | 650,549 | 67,371 | 1,498,541 | 1,600 | 1,048 |
| Edmonton..... | 1,222,521 | 262,853 | 178,811 | — | 506 |
| Lethbridge..... | 108,436 | 658 | 1,782 | — | — |
| Moose Jaw..... | 233,538 | 22,870 | 18,694 | 17,507 | 1,569 |
| Saskatoon..... | 1,474,235 | 2,614 | 2,245 | — | 98 |
| Totals..... | 3,689,279 | 356,366 | 1,700,073 | 19,107 | 3,221 |

Table H-10.—Receipts and Shipments of Canadian Grain at Duluth-Superior, Crop Year 1952-53
(including duty-paid imports)

| — | Wheat | Oats | Barley | Rye | Flaxseed |
|----------------|-----------|---------|-----------|---------|----------|
| | bu. | bu. | bu. | bu. | bu. |
| Receipts..... | 2,641,720 | — | 6,277,310 | 674,195 | — |
| Shipments..... | 2,641,720 | 170,164 | 6,011,760 | 636,195 | — |

Table H-11.—Exports of Canadian Wheat, by Seaboard Sectors, by Months, Crop Year 1952-53

| Month | Via Canadian Pacific Ports | Via Canadian St. Lawrence- Atlantic Ports | Via Churchill | Via Fort William- Port Arthur Direct | Via United States Atlantic Ports | United States Imports ¹ | | Total All Wheat | Wheat Flour ² | Total Wheat and Wheat Flour |
|--|----------------------------------|---|------------------|--|--|------------------------------------|-----------------------|-----------------------|-----------------------------|---|
| | | | | | | For Domestic Use | Milling in Bond | | | |
| 1952 | bu. | bu. | bu. | bu. | bu. | bu. | bu. | bu. | bu. | bu. |
| | August..... | 7,514,685 | 15,428,363 | 3,146,003 | — | — | 1,754,041 | 804,514 | 28,647,606 | 3,363,831 |
| | September..... | 6,805,635 | 9,922,508 | 4,479,785 | — | — | 2,829,620 | 482,284 | 24,519,832 | 4,960,013 |
| | October..... | 9,116,240 | 14,297,059 | 692,301 | — | — | 2,280,385 | 669,516 | 27,055,501 | 6,276,631 |
| | November..... | 10,712,607 | 23,570,789 | — | 55,846 | — | 3,081,983 | 594,767 | 38,015,992 | 5,051,821 |
| | December..... | 11,577,692 | 10,199,725 | — | — | — | 2,197,300 | 686,161 | 24,660,878 | 5,693,099 |
| 1953 | January..... | 11,028,227 | 6,489,595 | — | — | — | 1,205,946 | — | 18,723,768 | 3,718,233 |
| | February..... | 5,391,279 | 7,123,902 | — | — | 619,701 | 847,334 | — | 13,982,216 | 2,968,767 |
| | March..... | 1,761,369 | 9,427,444 | — | — | 30,775 | 914,599 | — | 12,134,187 | 4,303,269 |
| | April..... | 1,796,930 | 16,505,642 | — | — | 716,452 | 290,929 | 1,049,739 | 20,359,692 | 4,683,416 |
| | May..... | 10,561,268 | 28,869,494 | — | 48,520 | 700,043 | 717,605 | 758,548 | 41,655,478 | 4,790,461 |
| | June..... | 14,449,803 | 22,333,240 | — | 102,545 | 504,061 | 898,997 | 718,091 | 39,006,737 | 5,900,135 |
| | July..... | 14,000,119 | 24,668,777 | 302,533 | — | 1,177,907 | 114,605 | — | 40,263,941 | 5,169,681 |
| Totals Crop Year 1952-53..... | | 104,715,854 | 188,836,538 | 8,620,622 | 206,911 | 3,748,939 | 17,133,344 | 5,763,620 | 329,025,828 | 56,879,357 |
| Totals Crop Year 1951-52..... | | 103,184,105 | 151,208,557 | 7,545,443 | 115,861 | 3,985,160 | 31,355,268 | 7,327,562 | 304,721,956 | 51,103,296 |
| 5-year average 1947-48 to 1951-52..... | | 65,146,578 | 104,314,069 | 6,026,163 | 86,715 | 6,245,777 | 9,989,074 | 5,583,379 | 197,391,755 | 52,675,244 |
| | | | | | | | | | | 250,066,999 |

¹ Compiled from returns of Canadian elevator licensees and shippers and advice from American grain correspondents.² Canadian Customs returns converted to bushels.

Table H-12.—Overseas Exports of Canadian Grain, by Seaboard Sectors, by Grades, Crop Year 1952-53

| Grades | Via Canadian Pacific Ports | Via ¹ Canadian St. Lawrence- Atlantic Ports | Via United States Atlantic Ports | Total |
|-----------------------------|-------------------------------------|--|--|--------------------|
| | bu. | bu. | bu. | bu. |
| Wheat— | | | | |
| 1 Manitoba Hard..... | — | 29,885 | — | 29,885 |
| 1 Manitoba Northern..... | 4,712,688 | 19,854,439 | 167,750 | 24,734,877 |
| 2 Manitoba Northern..... | 22,348,464 | 79,816,750 | 1,098,622 | 103,263,836 |
| 3 Manitoba Northern..... | 30,519,645 | 34,147,311 | — | 64,666,956 |
| 4 Manitoba Northern..... | 23,726,224 | 23,197,340 | — | 46,923,564 |
| No. 5..... | 19,974,128 | 25,962,230 | 1,149,991 | 47,086,349 |
| No. 6..... | 581,467 | 1,538,179 | 660,515 | 2,780,161 |
| Feed..... | 23,707 | — | — | 23,707 |
| Tough 2 Man. Northern..... | — | 451,017 | — | 451,017 |
| Tough 3 Man. Northern..... | — | 1,567,146 | — | 1,567,146 |
| Tough 4 Man. Northern..... | — | 381,142 | — | 381,142 |
| 2 C.W. Garnet..... | 96,810 | — | — | 96,810 |
| 3 C.W. Garnet..... | 2,383,582 | 106,315 | — | 2,489,897 |
| Tough 2 C.W. Garnet..... | — | 3,966 | — | 3,966 |
| Other Garnet..... | — | 57,036 | — | 57,036 |
| 1 Alberta Red Winter..... | 113,857 | — | — | 113,857 |
| 2 Alberta Winter..... | 154,816 | — | — | 154,816 |
| 3 Alberta Winter..... | 43,133 | — | — | 43,133 |
| Other Western..... | 37,333 | 1,400,469 | — | 1,437,802 |
| Eastern..... | — | 2,145,179 | — | 2,145,179 |
| 2 C.W. Amber Durum..... | — | 569,984 | — | 569,984 |
| 3 C.W. Amber Durum..... | — | 3,835,913 | 577,061 | 4,412,974 |
| 4 C.W. Amber Durum..... | — | 2,243,398 | 95,000 | 2,338,398 |
| Tf. 3 C.W. Amber Durum..... | — | 109,478 | — | 109,478 |
| Tf. 4 C.W. Amber Durum..... | — | 225,000 | — | 225,000 |
| Other Durum..... | — | 21,894 | — | 21,894 |
| Totals..... | 104,715,854 | 197,664,071 | 3,748,939 | 306,128,864 |
| Oats— | | | | |
| 2 C.W..... | 7,647 | — | — | 7,647 |
| Ex. 3 C.W..... | 4,412 | 22,383 | — | 26,795 |
| 3 C.W..... | 15,294 | 882,882 | — | 898,176 |
| Ex. 1 Feed..... | 122,247 | — | — | 122,247 |
| 1 Feed..... | 768,212 | 2,536,685 | — | 3,304,897 |
| Mixed Feed..... | 159,000 | 728,092 | — | 887,092 |
| Eastern..... | — | 83,190 | — | 83,190 |
| Totals..... | 1,076,812 | 4,253,232 | — | 5,330,044 |
| Barley— | | | | |
| 3 C.W. Six-Row..... | — | 9,382,750 | — | 9,382,750 |
| 4 C.W. Six-Row..... | — | 1,213,012 | — | 1,213,012 |
| 2 C.W. Two-Row..... | 62,112 | — | — | 62,112 |
| 3 C.W. Two-Row..... | 1,046,590 | 2,656,563 | — | 3,703,153 |
| 1 Feed..... | 12,366,570 | 36,760,626 | — | 49,127,196 |
| 2 Feed..... | 1,214,211 | 25,790,844 | — | 27,005,055 |
| 3 Feed..... | — | 410,256 | — | 410,256 |
| Tough 3 C.W. Six-Row..... | — | 118,953 | — | 118,953 |
| Tough 3 C.W. Two-Row..... | — | 21,727 | — | 21,727 |
| Tough 1 Feed..... | — | 1,010,609 | — | 1,010,609 |
| Tough 2 Feed..... | — | 901,432 | — | 901,432 |
| Tough 3 Feed..... | — | 52,981 | — | 52,981 |
| Other Western..... | 891,791 | 846,476 | — | 1,738,267 |
| Eastern..... | — | 24,343 | — | 24,343 |
| Totals..... | 15,581,274 | 79,190,572 | — | 94,771,846 |
| Rye— | | | | |
| 2 C.W..... | — | 543,324 | 95,422 | 638,746 |
| 3 C.W..... | — | 2,351,560 | — | 2,351,560 |
| Other Western..... | — | 208,370 | — | 208,370 |
| Eastern..... | — | 9,404 | — | 9,404 |
| Totals..... | — | 3,112,658 | 95,422 | 3,208,080 |
| Flaxseed— | | | | |
| 1 C.W..... | — | 3,907,822 | — | 3,907,822 |
| 2 C.W..... | — | 152,463 | — | 152,463 |
| Totals..... | — | 4,060,285 | — | 4,060,285 |

¹ Includes clearances via the Port of Churchill and via Fort William-Port Arthur direct.

Table H-13.—Overseas Exports of Canadian Grain, by Ports, Crop Year 1952-53

| Loaded | Wheat (All Varieties) | Oats | Barley | Rye | Flaxseed | Grand Total All Grains |
|--|-----------------------------|-------------------|--------------------|------------------|------------------|------------------------------|
| | bu. | bu. | bu. | bu. | bu. | bu. |
| Vancouver-New Westminster..... | 99,901,625 | 1,076,812 | 5,839,977 | — | — | 106,818,414 |
| Victoria..... | 852,504 | — | 1,056,825 | — | — | 1,909,329 |
| Prince Rupert..... | 3,961,725 | — | 8,684,472 | — | — | 12,646,197 |
| Montreal..... | 88,706,160 | 3,913,824 | 65,903,241 | 2,858,843 | 3,029,270 | 164,411,338 |
| Sorel River..... | 15,994,169 | — | 7,983,176 | — | — | 23,977,345 |
| Three Rivers..... | 24,655,713 | — | — | — | — | 24,655,713 |
| Quebec..... | 26,867,352 | 339,408 | 508,029 | — | 27,310 | 27,742,099 |
| St. John..... | 2,714,464 | — | — | — | — | 2,714,464 |
| West St. John..... | 16,653,433 | — | 3,270,939 | 192,604 | 950,428 | 21,067,404 |
| Halifax..... | 13,245,247 | — | 1,313,653 | — | — | 14,558,900 |
| Churchill..... | 8,620,622 | — | — | — | — | 8,620,622 |
| Fort William-Port Arthur (Direct)... | 206,911 | — | 211,534 | 61,211 | 53,277 | 532,933 |
| Totals—Canadian Ports..... | 302,379,925 | 5,330,044 | 94,771,846 | 3,112,658 | 4,060,285 | 409,654,758 |
| Albany..... | 2,643,813 | — | — | — | — | 2,643,813 |
| Baltimore..... | — | — | — | 95,422 | — | 95,422 |
| Boston..... | 723,740 | — | — | — | — | 723,740 |
| New York..... | 14,715 | — | — | — | — | 14,715 |
| Norfolk..... | 335,896 | — | — | — | — | 335,896 |
| Portland..... | 30,775 | — | — | — | — | 30,775 |
| Totals—U.S.A. Ports..... | 3,748,939 | — | — | 95,422 | — | 3,844,361 |
| Totals to Overseas..... | 306,128,864 | 5,330,044 | 94,771,846 | 3,208,080 | 4,060,285 | 413,499,119 |
| Wheat Flour ¹ | 56,879,357 | — | — | — | — | 56,879,357 |
| Rollod Oats and Oatmeal ¹ | — | 514,000 | — | — | — | 514,000 |
| U.S.A. Imports ² | 22,896,964 | 59,527,361 | 24,085,440 | 5,785,411 | — | 112,295,176 |
| Grand Totals..... | 385,985,185 | 65,371,405 | 118,857,286 | 8,993,491 | 4,060,285 | 583,187,652 |

¹ Canadian Customs returns—converted to bushels.² Compiled from returns of Canadian Elevator licensees and shippers and advice from American grain correspondents.**Table H-14.—Weighted Average Lake Freight Rates on Canadian Grain from Fort William-Port Arthur, Season of Navigation 1953**

| Port of Discharge | Wheat | Oats | Barley | Rye | Flaxseed |
|---|--------------------|-------|--------|-------|----------|
| | (cents per bushel) | | | | |
| Georgian Bay Ports, Goderich, Sarnia and Walkerville..... | 5-503 | 5-008 | 5-353 | 5-913 | 5-827 |
| Port Colborne..... | 7-528 | 6-75 | 7-25 | 7-5 | — |
| Toronto..... | 8-0 | 7-25 | 7-5 | 8-0 | 8-050 |
| Kingston..... | — | 8-0 | 8-25 | — | — |
| Prescott..... | 9-0 | 8-25 | 8-5 | 9-0 | — |
| Montreal..... | 16-0 | 12-5 | 15-25 | 16-0 | 18-094 |
| Montreal via Port Colborne..... | 16-0 | 12-5 | 15-25 | 16-0 | 18-0 |
| Montreal via Kingston..... | 16-0 | 12-5 | 15-25 | 16-0 | 17-974 |
| Montreal via Prescott..... | 16-0 | 12-5 | 15-25 | 16-0 | — |
| Sorel via Port Colborne..... | 16-0 | — | 15-25 | — | — |
| Quebec..... | 16-0 | 12-5 | 15-25 | — | — |
| Quebec via Toronto..... | 16-0 | — | — | — | — |
| Quebec via Kingston..... | — | — | 15-25 | — | — |
| Quebec via Prescott..... | — | 12-5 | 15-25 | — | — |
| Buffalo..... | 8-507 | 5-589 | 7-880 | 7-784 | — |
| Chicago..... | 9-345 | 5-291 | 8-0 | 8-039 | — |
| Detroit..... | — | — | 7-726 | — | — |
| Duluth-Superior..... | 5-5 | 4-253 | 4-878 | 4-789 | — |
| Erie..... | — | 5-711 | — | — | — |
| Huron..... | — | 6-059 | — | — | — |
| Manitowoc..... | — | — | 8-533 | — | — |
| Milwaukee..... | — | — | 7-996 | — | — |
| Oswego..... | 10-0 | 5-918 | — | — | — |
| Toledo..... | 9-290 | 6-0 | 10-0 | 8-250 | — |
| — | — | 5-507 | — | — | — |

NOTE.—Rates originally quoted in American Funds have been converted at the prevailing rates of exchange.

Table H-15.—Monthly Averages of Canadian Wheat Board and Winnipeg Grain Exchange Daily Cash Quotations, Crop Year 1952-53

| Grain and Grade | 1952 | | | | | 1953 | | | | | Yearly Average | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------|-------|-------|
| | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | March | April | May | | June | July |
| CANADIAN WHEAT BOARD QUOTATIONS | | | | | | | | | | | | | |
| WHEAT (Basis in Store Fort William-Port Arthur or Vancouver) | | | | | | | | | | | | | |
| Initial Payment to Producers: | | | | | | | | | | | | | |
| 1 Northern..... | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 |
| 2 Northern..... | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 |
| 3 Northern..... | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 |
| 4 Northern..... | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 |
| Number 5 Wheat..... | 136 | 136 | 136 | 136 | 136 | 136 | 136 | 136 | 136 | 136 | 136 | 136 | 136 |
| Number 6 Wheat..... | 126 | 126 | 126 | 126 | 126 | 126 | 126 | 126 | 126 | 126 | 126 | 126 | 126 |
| Feed..... | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 |
| 1 C.W. Garnet..... | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 |
| 1 Alta. Red Winter..... | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 |
| 1 C.W. Amber Durum..... | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 | 165 |
| 2 C.W. Amber Durum..... | 162 | 162 | 162 | 162 | 162 | 162 | 162 | 162 | 162 | 162 | 162 | 162 | 162 |
| Domestic Sales ¹ | | | | | | | | | | | | | |
| 1 Northern..... | 173 | 172/6 | 173/5 | 175/6 | 174/6 | 174/5 | 175/7 | 177 | 177 | 193 | 203/6 | 202/3 | 185/6 |
| 2 Northern..... | 171 | 170/6 | 171/5 | 173/6 | 172/6 | 172/5 | 173/7 | 175 | 175 | 191 | 201/6 | 200/3 | 183/6 |
| 3 Northern..... | 169 | 168/6 | 169/5 | 171/6 | 170/6 | 170/5 | 171/7 | 173 | 173 | 189 | 199/6 | 198/3 | 181/6 |
| 4 Northern..... | 163 | 162/6 | 163/5 | 165/6 | 164/6 | 164/5 | 165/7 | 167 | 167 | 184/7 | 195/6 | 194/3 | 171/5 |
| Number 5..... | 156/6 | 155/6 | 156/5 | 158/6 | 157/6 | 157/5 | 158/7 | 160 | 160 | 173/3 | 175 | 175 | 162/1 |
| Number 6..... | 151/4 | 151/6 | 152/5 | 155/6 | 154/6 | 154/5 | 155/7 | 157 | 157 | 168/3 | 170 | 170 | 158/5 |
| Feed..... | 146/2 | 146/6 | 147/5 | 150/6 | 149/6 | 149/5 | 150/7 | 152 | 152 | 163/5 | 165 | 165 | 133/5 |
| 1 C.W. Garnet..... | 171 | 170/6 | 171/5 | 173/6 | 172/6 | 172/5 | 173/7 | 175 | 175 | 191 | 201/6 | 200/3 | 183/6 |
| 2 C.W. Garnet..... | 170 | 169/6 | 170/5 | 172/6 | 171/6 | 171/5 | 172/7 | 174 | 174 | 190 | 200/6 | 199/3 | 178/1 |
| 3 C.W. Garnet..... | 167 | 166/6 | 167/5 | 169/6 | 168/6 | 168/5 | 169/7 | 171 | 171 | 187 | 197/6 | 196/3 | 175/1 |
| 1 Alta. Red Winter..... | 173 | 172/6 | 173/5 | 175/6 | 174/6 | 174/5 | 175/7 | 177 | 177 | 193 | 203/6 | 202/3 | 185/6 |
| 2 Alta. Winter..... | 171 | 170/6 | 171/5 | 173/6 | 172/6 | 172/5 | 173/7 | 175 | 175 | 191 | 201/6 | 200/3 | 179/1 |
| 3 Alta. Winter..... | 169 | 168/6 | 169/5 | 171/6 | 170/6 | 170/5 | 171/7 | 173 | 173 | 189 | 199/6 | 198/3 | 181/6 |
| 1 C.W. Amber Durum..... | 173 | 172/6 | 173/5 | 175/6 | 174/6 | 174/5 | 175/7 | 177 | 177 | 193 | 203/6 | 202/3 | 185/6 |
| 2 C.W. Amber Durum..... | 171 | 170/6 | 171/5 | 173/6 | 172/6 | 172/5 | 173/7 | 175 | 175 | 191 | 201/6 | 200/6 | 183/6 |
| 3 C.W. Amber Durum..... | 170 | 169/6 | 170/5 | 172/6 | 171/6 | 171/5 | 172/7 | 174 | 174 | 189 | 200/6 | 199/3 | 178 |

cents and eighths per bushel

[illegible]

Table H-15.—Monthly Averages of Canadian Wheat Board and Winnipeg Grain Exchange Daily Cash Quotations, Crop Year 1952-53—con.

| Grain and Grade | 1952 | | | | | | | | | | | | 1953 | | | | | | | | | | | | Yearly Average |
|--|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|--|--|--|--|--|--|--|--|--|-------------------|
| | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | March | April | May | June | July | | | | | | | | | | | | | |
| | cents and eighths per bushel | | | | | | | | | | | | | | | | | | | | | | | | |
| WINNIPEG GRAIN EXCHANGE CASH QUOTATIONS— | | | | | | | | | | | | | | | | | | | | | | | | | |
| OATS (Basis in Store Fort William-Port Arthur) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Domestic and Export: | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 C.W..... | 84/4 | 84/2 | 87/4 | 91/4 | 83/1 | 80/4 | 78/4 | 78/3 | 76/1 | 72 | 70/1 | 72 | 79/7 | | | | | | | | | | | | |
| Ex. 3 C.W..... | 81/7 | 82/2 | 85/4 | 90/2 | 81/7 | 78/3 | 76/6 | 76/5 | 74/1 | 69/1 | 67/7 | 70/3 | 77/7 | | | | | | | | | | | | |
| 3 C.W..... | 81/6 | 81/3 | 84/4 | 89/7 | 81/4 | 77/6 | 76/1 | 75 | 72/4 | 69 | 67/3 | 69/6 | 77/2 | | | | | | | | | | | | |
| Ex. 1 Feed..... | 81/5 | 81/3 | 84/4 | 89/7 | 81/4 | 77/6 | 76/1 | 73/7 | 71/6 | 69 | 67/4 | 70/1 | 77 | | | | | | | | | | | | |
| 1 Feed..... | 78/5 | 78/2 | 80 | 84/7 | 78 | 74 | 73/1 | 72/4 | 70/5 | 67/2 | 65/4 | 67/1 | 74/1 | | | | | | | | | | | | |
| 2 Feed..... | 76/7 | 76/2 | 77/4 | 82/2 | 75/3 | 70/7 | 70/6 | 71/1 | 69/1 | 65/5 | 63/7 | 64/7 | 72 | | | | | | | | | | | | |
| 3 Feed..... | 74 | 73/2 | 74/7 | 79/6 | 73 | 69/2 | 68/6 | 69/1 | 67/1 | 63/2 | 61/4 | 62/5 | 69/6 | | | | | | | | | | | | |
| BARLEY (Basis in Store Fort William-Port Arthur) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Domestic and Export: | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 C.W. Six Row..... | 142/6 | 152/2 | 156 | 143/6 | 127/6 | 129/3 | 129/1 | 129/6 | 125/4 | 124/7 | 123/1 | 119/4 | 133/5 | | | | | | | | | | | | |
| 2 C.W. Six Row..... | 142/6 | 152/1 | 156 | 143/6 | 127/6 | 129/3 | 129/1 | 129/6 | 125/4 | 124/7 | 123/1 | 119/4 | 133/5 | | | | | | | | | | | | |
| 3 C.W. Six Row..... | 139 | 150/1 | 153/4 | 142/4 | 126/6 | 128/3 | 127/2 | 127/6 | 123/5 | 122/7 | 122 | 116/1 | 131/5 | | | | | | | | | | | | |
| 4 C.W. Six Row..... | 126/5 | 135/2 | 142/1 | 138/1 | 121/7 | 121/3 | 121 | 121/7 | 117/7 | 121/6 | 121/2 | 113/4 | 125/2 | | | | | | | | | | | | |
| 1 C.W. Two Row..... | 137/4 | 142/5 | 147/2 | 140/6 | 126/6 | 128/3 | 127/2 | 129/3 | 128/1 | 126 | 122/1 | 132 | 132 | | | | | | | | | | | | |
| 2 C.W. Two Row..... | 137/4 | 142/5 | 147/2 | 140/6 | 126/6 | 128/3 | 127/2 | 129/3 | 128/1 | 126 | 122/1 | 132 | 132 | | | | | | | | | | | | |
| 3 C.W. Two Row..... | 134/4 | 141/4 | 145/2 | 138/1 | 124/3 | 128/3 | 127/4 | 129/6 | 128/1 | 126 | 122/1 | 132 | 132 | | | | | | | | | | | | |
| 1 Feed..... | 125/7 | 131/4 | 138/6 | 138/1 | 121/7 | 118/2 | 119/1 | 121/7 | 117/7 | 121/6 | 125/7 | 113/4 | 124/4 | | | | | | | | | | | | |
| 2 Feed..... | 124/5 | 130/4 | 137/5 | 137/1 | 120/4 | 117/2 | 117/3 | 120/1 | 116/2 | 121/6 | 121/2 | 110/3 | 122/7 | | | | | | | | | | | | |
| 3 Feed..... | 119/3 | 126/2 | 128/2 | 131 | 116/3 | 112/2 | 112/4 | 115/5 | 112/4 | 118/4 | 118/3 | 105/1 | 118 | | | | | | | | | | | | |
| RYE (Basis in Store Fort William-Port Arthur) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Producers', Domestic, and Export Prices: | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 C.W..... | 183 | 172/5 | 174/6 | 183/2 | 175/1 | 161/5 | 156/1 | 159 | 147/6 | 141/4 | 128/7 | 119/1 | 158/2 | | | | | | | | | | | | |
| 3 C.W..... | 178 | 167/6 | 169/6 | 178/2 | 170/1 | 156/6 | 151/1 | 154 | 142/7 | 136/4 | 124/5 | 114/4 | 153/5 | | | | | | | | | | | | |
| 4 C.W..... | 158/4 | 148/5 | 153/1 | 162/7 | 154/1 | 139/7 | 132/4 | 135/1 | 130/2 | 125/1 | 114/3 | 103/6 | 138/1 | | | | | | | | | | | | |
| Ergoty..... | 165/2 | 153/3 | 156 | 164/7 | 156/1 | 142/3 | 135/4 | 137/7 | 130/4 | 124/1 | 113/3 | 102/6 | 140/1 | | | | | | | | | | | | |
| FLAXSEED (Basis in Store Fort William-Port Arthur) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Producers', Domestic, and Export Prices: | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 C.W..... | 392/3 | 373 | 355 | 349/5 | 330/7 | 314/2 | 309/3 | 320/5 | 311/7 | 307/5 | 294/4 | 288/7 | 329 | | | | | | | | | | | | |
| 2 C.W..... | 387/2 | 367/1 | 350/4 | 345/5 | 326/7 | 310/2 | 305/3 | 316/5 | 307/3 | 302/6 | 289/7 | 284/1 | 334/4 | | | | | | | | | | | | |
| 3 C.W..... | 367/5 | 347/5 | 332/7 | 333/4 | 316/7 | 298/6 | 293/2 | 304/6 | 296/3 | 292/5 | 281/1 | 275/7 | 311/6 | | | | | | | | | | | | |

¹ Six cents per bushel carrying charge to be added to all monthly averages prior to May. The monthly averages shown for May include the carrying charge wherever applicable. The yearly averages shown include the carrying charge wherever applicable.

² Six cents per bushel carrying charge to be added.

Table H-16.—Tough and Damp Grain Dried at Different Points 1952-53 Crop Year

| | Artificial Drying | | | Natural Drying | Total |
|--------------------------|-------------------|----------------|------------------|-------------------|-------------------|
| | Tough | Damp | Tough and Damp | | |
| | bu. | bu. | bu. | bu. | bu. |
| LAKEHEAD | | | | | |
| Wheat..... | 1,547,247 | 303,295 | 1,850,542 | 32,318,552 | 34,169,094 |
| Durum..... | 93,223 | 10,573 | 103,796 | 578,132 | 681,928 |
| Oats..... | 242,316 | 2,902 | 245,218 | 2,970,090 | 3,215,308 |
| Barley..... | 1,717,699 | 356,168 | 2,073,867 | 9,194,406 | 11,268,273 |
| Rye..... | 222,123 | 10,932 | 233,055 | 1,003,336 | 1,236,391 |
| Flaxseed..... | 66,847 | — | 66,847 | 128,503 | 195,350 |
| Totals..... | 3,889,455 | 683,870 | 4,573,325 | 46,193,019 | 50,766,344 |
| PACIFIC COAST | | | | | |
| Wheat..... | 1,266,878 | 5,624 | 1,272,502 | 8,604,246 | 9,876,748 |
| Oats..... | 19,353 | 2,109 | 21,462 | 228,662 | 250,124 |
| Barley..... | — | — | — | 551,078 | 551,078 |
| Totals..... | 1,286,231 | 7,733 | 1,293,964 | 9,383,986 | 10,677,950 |
| INTERIOR | | | | | |
| Wheat..... | 47,514 | 18,406 | 65,920 | 276,163 | 342,083 |
| Oats..... | 3,261 | — | 3,261 | — | 3,261 |
| Barley..... | 1,861 | 986 | 2,847 | — | 2,847 |
| Totals..... | 52,636 | 19,392 | 72,028 | 276,163 | 348,191 |
| CHURCHILL | | | | | |
| Wheat..... | — | — | — | 497,405 | 497,405 |
| Grand Totals..... | 5,228,322 | 710,995 | 5,939,317 | 56,350,573 | 62,289,890 |

APPENDIX I

Report of the Grain Research Laboratory

Following is a report of the Board's Research Laboratory for the year 1953. It presents a brief reference to the quality of grain handled during the 1952-53 crop year and that harvested in 1953, and gives a progress report on Laboratory investigations as well as information on other activities of the Laboratory.

Crop year studies on spring wheat, durum wheat, barley and flax sampled at various stages of marketing and handling during 1952-53 were completed. Spring wheat was well above average in bushel weight and excellent in milling quality but below the long term average in protein content. Durum wheat was also high in bushel weight and although low in protein content was excellent for macaroni-making. Malting barley was desirably low in nitrogen content and high in yield of malt extract. Flax was high in yield of oil of good drying quality. Quality information in full has been compiled and published in "*Grain Research Laboratory 1953 Report*".†

The quality of wheat harvested in 1953 was closely similar to that of the previous crop. Bushel weight is again high, and protein content, although slightly higher than in 1952, is still appreciably below the long-term average. Milling quality is excellent with flour colour and absorption a little higher than for last year's crop. Doughs handled well and the quality of the gluten, as judged by baking performance, was entirely satisfactory.

Acreage of durum wheat was reduced by the threat of the new race of stem rust, No. 15B, and production was further reduced by a rather severe epidemic of that race in Manitoba. The crop, estimated at 7.8 million bushels is the lowest since 1945. Macaroni-making quality was about the same, grade for grade, as last year, except that No. 4 C.W. was appreciably higher in yellow pigment.

Malting barley is again of excellent quality and fully comparable to that of 1952. Protein content is desirably low and kernel size is above average. Malt extract yield is high and enzymatic activity of the malt is normal and shows satisfactory balance. The flax crop, with an average oil content of 42.3% and an average iodine value of 188 units, is also closely similar to the crop of 1952.

This information in greater detail was presented to the Committee on Western Grain Standards and is published by the Laboratory in four crop bulletins and two protein maps.*

The Laboratory continued its close co-operation with the Inspection Branch. Assistance was provided in preparing information on the quality of tentative standard samples and tentative standard export samples. Supervision of equipment and technique for moisture testing was continued throughout the year. A co-operative

† Available without charge from Grain Research Laboratory, Board of Grain Commissioners for Canada, Winnipeg, Manitoba.

* These publications are available without charge from the Grain Research Laboratory, Board of Grain Commissioners, Winnipeg, Manitoba, under the following titles:

Crop Bulletin No. 49 Canadian Wheat, 1953

Crop Bulletin No. 50 Protein Survey of Wheat, 1953

Crop Bulletin No. 51 Canadian Barley, 1953

Crop Bulletin No. 52, Canadian Flax, 1953

Protein Content of Hard Red Spring Wheat. Preliminary Maps as at Sept. 30.

Protein Content of Hard Red Spring Wheat. 1953 Final Map.

field trial of the Halross Moisture Meter was begun. Special tests were made on a variety of samples representing carlots of grain; for example, a number of samples were tested for contamination with mercury fungicides.

Under the aegis of the Associate Committee on Grain Research a comprehensive study was made of the milling and baking quality of the new wheat variety, C.T. 186. Ten Canadian, nine British and six United States cereal chemists collaborated. As part of this study a very exhaustive investigation of the milling and baking behaviour and chemical properties of the variety and comparable standards was undertaken in this Laboratory. The Associate Committee subsequently met to consider the results and found C.T. 186 "equal to Marquis". The variety has since been licensed and named Selkirk.

Steady progress has been made throughout the year in the research work of the Laboratory. In the bread wheat section studies of the physical properties of doughs have been continued. The big problem in the chemistry of bread wheats is the nature of the cohesive and elastic properties of dough. Insight into these is being sought by measuring changes in dough properties under controlled treatments. Effects of oxygen and temperature have been studied with the Extensograph, and preliminary work has been done with lactic and acetic acids. The main study with the "G.R.L. Relaxometer" involved comparisons of the behaviour of doughs at different temperatures. At lower temperatures the relaxation rate is slower and the initial phase of the process can be more readily studied. Some work was also undertaken with the "Research Extensometer" and "Research Absorption Meter", manufactured in England. The principal object was to acquaint the Laboratory with the possibilities of this equipment which is quite widely used in the United Kingdom for assessing the quality of Canadian and other wheats.

The Laboratory was invited to present a paper on the physical properties of dough at the Second International Congress on Rheology, held at Oxford. Dr. I. Hlynka, represented the Laboratory at this meeting and also visited a number of the leading cereal laboratories in the United Kingdom.

The durum wheat section has continued studies of oxidizing enzymes. A more precise and comprehensive study has been made of the activation energies of the wheat lipoxidase system and of the heats of formation of the enzyme-substrate complex. A survey has also been made of the effect of environment during growth on the lipoxidase activity of durum wheats. Similar studies of activation energies, the effects of environment, and of variety have been made for catalase activity. Moreover, this enzyme has been separated into two fractions by dialysis which brings about precipitation of an active and stable catalase preparation; though the solution still contains an active but soluble fraction. Exploratory studies with six other oxidizing enzymes, some of which have been reported in ground whole wheat, show that none occurs in significant amounts in wheat endosperm. Mention may also be made of an improvement in the laboratory procedure for making macaroni; this involves mainly a substantial saving in time by developing a procedure for reducing the drying time from 48 to 24 hours.

The malting barley section has made further progress in studies of barley and malt gums and the enzymes that attack them. Work on the gums has involved standardization of the isolation procedures, separation of beta-glucosan and pentosan fractions, and comparison of the hydrolytic products of barley and malt gums by chromatography and quantitative determination of sugars. In the enzyme work, a beta-glucosanase and a pentosanase have been isolated from malt. Work is currently being carried out on the development of these enzymes during the malting

process. A new steep tank for laboratory malting has been completed and fully tested. A new model of a germination chamber produced good malt, but damage to rootlets during growth was considered to be excessive; experiments are therefore planned with a different design.

Studies in the analytical section have dealt with three projects. In view of the large inter-laboratory errors that occasionally occur in the determination of the gassing power of flour, it seemed advisable to make a detailed study of the sources of errors of the present method. An amperometric method that seems promising has been developed for the determination of bromate in flour. Considerable work has also been undertaken on the refinement of a method for detecting mercury in grain, and on the development of a micro method for examining small samples of about 10 kernels or less.

The research and routine investigations of the Laboratory were reviewed in April by a committee of scientists appointed by the National Research Council at the Board's request. The committee spent two days in the Laboratory and made a number of valuable recommendations.

Several commitments made by the writer during the past two or three years have recently been completed. These included: Preparation of a bulletin on "Canadian Wheat and Flour", in co-operation with the Information Branch and the Grain Division of the Department of Trade and Commerce; and editing of a monograph "*Storage of Cereal Grains and their Products*", with Mr. A. W. Alcock, for the American Association of Cereal Chemists. The writer also completed his term as President of the American Association of Cereal Chemists.

In accordance with past practice, a detailed report on the work of the Grain Research Laboratory has been prepared for publication to put on record data on the quality of Canadian crops and progress reports on Laboratory investigations.

Respectfully submitted,

J. ANSEL ANDERSON,
Chief Chemist.

APPENDIX J

Operation of the Canadian Government Elevators

This Appendix reports on the operation of the Canadian Government Elevators during the 1952-53 crop year and for the fiscal year ended March 31, 1953.

Elevators Operated and Leased

The interior terminal elevators at Moose Jaw, Saskatoon, Calgary, Edmonton and Lethbridge, and the elevator at Prince Rupert were continued in operation during the 1952-53 crop year under public terminal elevator licences. The Canadian Government Elevator at Port Arthur is still under lease to McCabe Grain Company Limited.

Tariff of Charges

The tariff of charges at all elevators operated remained the same during 1952-53 as they were during the previous crop year.

Volume of Grain Handled

The volume of grain handled in 1952-53 was 27.6 million bushels, an increase of 6.6 million over the 1951-52 crop year. This increase was almost entirely due to increased handlings at the Prince Rupert Elevator. Comparative figures for grain receipts at each elevator for 1951-52 and 1952-53 crop years are shown in the following table:

| Elevator | 1951-52 | 1952-53 | Decrease | Increase |
|--------------------|-------------------|-------------------|-----------|------------------|
| | bu. | bu. | bu. | bu. |
| Moose Jaw..... | 2,685,525 | 3,608,018 | — | 922,493 |
| Saskatoon..... | 2,996,106 | 3,719,925 | — | 723,819 |
| Calgary..... | 3,889,280 | 3,797,912 | 91,368 | — |
| Edmonton..... | 3,759,060 | 2,755,345 | 1,003,715 | — |
| Lethbridge..... | 1,048,807 | 1,117,043 | — | 68,236 |
| Prince Rupert..... | 6,603,976 | 12,580,055 | — | 5,976,079 |
| Totals..... | 20,982,754 | 27,578,298 | — | 6,595,544 |

Maintenance of Buildings and Equipment

The buildings, equipment and trackage at all points have been maintained in good operating condition by repairs and necessary replacements.

Organization and Staff

In accordance with a policy of the Board of Grain Commissioners relating to centralization of offices at Winnipeg, the Head Office of the Canadian Government Elevators was moved from Fort William to Winnipeg in January, 1953. Five employees were moved and joined with the Government Elevators Winnipeg representative to establish the Head Office in the Grain Exchange Building, Winnipeg. Mr. Ralph Hetherington, General Manager, retired after thirty-eight years' service, and Mr. A. E. Jacobson, previously at the Canadian Government Elevator at Moose Jaw, was transferred to Winnipeg and appointed General Manager.

Financial Results of Operations

Revenue from all sources during the fiscal year ended March 31, 1953, amounted to \$1,514,295.20, a decrease of \$203,308.61 from the previous fiscal year. Operating expenses were \$1,070,623.08, an increase of \$168,357.15 over the previous year. There was a surplus of revenue over expenditure in the amount of \$443,672.12 as compared with a surplus of \$815,337.88, the previous fiscal year. As in former years, no provision is made in the financial statement to cover depreciation of buildings and equipment; expenditures for their maintenance are included in operating costs.

Respectfully submitted,

A. E. JACOBSON,
General Manager.

Table K-2.—Details of EXPENDITURE for Fiscal Year ended March 31, 1953 by Point, Branch and Main Objects of Expenditures

| Point | Branch | Salaries | | Rent | | Travelling Expenses | | General Expenses | | Printing and Stationery | |
|--------------|-----------------------------|----------|------|--------|------|---------------------|------|------------------|------|-------------------------|------|
| | | \$ | cts. | \$ | cts. | \$ | cts. | \$ | cts. | \$ | cts. |
| Winnipeg | Executive..... | 77,541 | 81 | 7,349 | 16 | 4,189 | 00 | 6,273 | 80 | 3,169 | 59 |
| | Assistant Commissioner..... | 6,124 | 98 | 646 | 40 | 1,317 | 02 | 888 | 96 | 36 | 00 |
| | License and Bonding..... | 21,107 | 27 | 1,943 | 28 | — | — | 587 | 03 | 1,932 | 01 |
| | Accounts..... | 13,894 | 68 | — | — | — | — | 493 | 06 | 634 | 36 |
| | Registration..... | 26,679 | 40 | 2,310 | 70 | — | — | 1,028 | 58 | 491 | 78 |
| | Research Laboratory..... | 115,828 | 76 | 16,624 | 80 | 2,328 | 93 | 26,158 | 72 | 4,716 | 83 |
| | Appeal Tribunal..... | 5,480 | 00 | — | — | — | — | 1,434 | 67 | 5 | 84 |
| | Standard Committee..... | — | — | — | — | 2,609 | 20 | 1,800 | 00 | — | — |
| | Inspection..... | 549,891 | 63 | 25,252 | 40 | 3,747 | 29 | 24,438 | 65 | 11,208 | 37 |
| | Weighing..... | 46,038 | 89 | 2,077 | 20 | 745 | 14 | 876 | 22 | 482 | 52 |
| Churchill | Inspection..... | 12,769 | 59 | — | — | 5,698 | 60 | 9 | 47 | — | — |
| | Weighing..... | 6,883 | 41 | — | — | 3,318 | 70 | 17 | 22 | — | — |
| Keewatin | Inspection..... | 5,711 | 64 | — | — | — | — | — | — | 34 | 96 |
| | Weighing..... | 7,189 | 13 | — | — | — | — | 58 | 16 | — | — |
| Saskatoon | Assistant Commissioner..... | 10,532 | 40 | — | — | — | — | — | — | — | — |
| | Inspection..... | 33,851 | 60 | 5 | 00 | 3,184 | 42 | 748 | 50 | 103 | 25 |
| | Weighing..... | 22,333 | 28 | 877 | 00 | — | — | 596 | 20 | 194 | 14 |
| Moose Jaw | Inspection..... | 29,921 | 31 | — | — | — | — | — | — | — | — |
| | Weighing..... | 16,025 | 71 | 1,296 | 00 | — | — | 927 | 43 | 285 | 87 |
| Medicine Hat | Inspection..... | 10,597 | 26 | — | — | — | — | 24 | 80 | — | — |
| | Weighing..... | 10,634 | 01 | 841 | 00 | — | — | 131 | 92 | 92 | 96 |
| Lethbridge | Inspection..... | 9,494 | 90 | — | — | — | — | 95 | — | — | — |
| | Weighing..... | 5,990 | 00 | — | — | — | — | 101 | 00 | 35 | 08 |
| | | | | | | | | 13 | 50 | | |

| | | | | | | |
|--------------------|---|---|--|-----------------------------------|--|----------------------------------|
| Calgary..... | Assistant Commissioner..... Inspection..... Weighing..... Appeal Tribunal..... | 11,077 99 78,427 01 36,462 98 5,584 00 | 828 00 3,001 00 314 04 420 00 | 3,417 24 — 25 55 — | 339 86 2,953 25 296 65 1,498 65 | 49 75 1,675 66 — 17 02 |
| Edmonton..... | Inspection..... Weighing..... Appeal Tribunal..... | 96,625 75 10,946 27 6,424 00 | 6,729 00 — 967 50 | 48 08 469 19 — | 3,715 71 60 25 1,296 45 | 1,663 16 — 4 32 |
| Vancouver..... | Inspection..... Weighing..... Registration..... | 145,555 59 156,275 45 5,216 14 | 6,913 20 2,655 70 1,781 60 | 1,163 82 1,278 12 — | 5,018 50 2,399 00 266 04 | 1,567 05 906 28 17 02 |
| Fort William..... | Inspection..... Weighing..... Statistical..... | 699,582 55 485,291 82 60,383 22 | 16,634 00 3,509 00 6,601 48 | 4,471 14 19,696 76 4,639 60 | 15,238 81 6,394 41 7,634 36 | 8,635 23 5,545 31 5,836 17 |
| Toronto..... | Inspection..... | 8,567 77 | 1,200 00 | 419 25 | 584 01 | 74 44 |
| Montreal..... | Inspection..... Weighing..... Registration..... | 82,912 88 3,930 00 8,894 82 | 4,217 00 921 41 1,044 92 | 9,926 27 189 35 — | 1,763 31 305 56 472 85 | 474 55 149 10 466 40 |
| Chatham..... | Inspection..... | 31,068 79 | 1,140 00 | 17,340 53 | 1,770 40 | 289 69 |
| Prince Rupert..... | Inspection..... Weighing..... | 6,132 40 5,718 32 | — — | 2,103 16 2,072 82 | 167 50 81 52 | — — |
| Kenora..... | Weighing..... | 2,567 22 | — | — | — | — |
| Duluth..... | Inspection..... | 4,804 50 | — | 4,039 49 | 181 65 | — |
| Buffalo..... | Inspection..... | 3,622 20 | — | 9,552 40 | 74 65 | — |

Table K-3.—Summary of Operations by Branches

| — | Inspection | | Weighing | | Appeal Board | | Regis- tration | | License and Bonding | | Statistics | | Accounting | | Research Laboratory | | Grain Standards Committee | | Adminis- tration | | Total | | |
|--|------------|------|-----------|------|--------------|------|-------------------|------|---------------------------|------|------------|------|------------|------|------------------------|------|---------------------------------|------|---------------------|------|-----------|------|--|
| | \$ | cts. | \$ | cts. | \$ | cts. | \$ | cts. | \$ | cts. | \$ | cts. | \$ | cts. | \$ | cts. | \$ | cts. | \$ | cts. | \$ | cts. | |
| REVENUE | | | | | | | | | | | | | | | | | | | | | | | |
| Fees..... | 2,239,637 | 58 | 1,117,044 | 12 | 4,974 | 00 | 65,946 | 90 | 29,261 | 00 | — | — | — | — | — | — | — | — | — | — | 3,456,863 | 60 | |
| Overtime..... | 86,170 | 87 | 70,790 | 76 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 156,961 | 63 | |
| Sampling..... | 37,042 | 32 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 37,042 | 32 | |
| Express Charges..... | 4,666 | 50 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 4,666 | 50 | |
| Cargo Splits..... | 3,611 | 20 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 3,611 | 20 | |
| Samples Sold..... | 57,111 | 12 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 57,111 | 12 | |
| Condition Reports..... | — | — | 336 | 75 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 336 | 75 | |
| Jury Fees..... | 50 | 29 | 30 | 00 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 80 | 29 | |
| Fines..... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1,385 | 00 | 1,385 | 00 | |
| Refund of Previous Year's Expenses..... | 9 | 05 | 15 | 40 | — | — | — | — | — | — | — | — | — | — | — | 5 | 13 | — | — | — | 29 | 58 | |
| Totals..... | 2,428,298 | 93 | 1,188,217 | 03 | 4,974 | 00 | 65,946 | 90 | 29,261 | 00 | — | — | — | — | — | 5 | 13 | — | 1,385 | 00 | 3,718,067 | 99 | |

EXPENDITURE

| | | | | | | | | | | | |
|---------------------------|---------------------|-------------------|------------------|------------------|------------------|------------------|------------------|-------------------|-----------------|-------------------|---------------------|
| Salaries..... | 1,779,527 37 | 816,286 49 | 17,488 00 | 40,790 36 | 21,107 27 | 60,383 22 | 13,894 68 | 115,828 76 | — | 105,277 18 | 2,970,593 33 |
| Rent..... | 68,100 60 | 9,477 35 | 1,971 90 | 5,137 22 | 1,943 28 | 6,601 48 | — | 16,624 80 | — | 8,828 56 | 118,685 19 |
| Travel..... | 58,540 03 | 27,765 63 | — | — | — | 4,639 60 | — | 2,328 93 | 2,609 20 | 12,107 68 | 108,021 07 |
| Expenses..... | 57,692 46 | 10,552 24 | 4,229 77 | 1,767 47 | 587 03 | 7,634 36 | 493 06 | 26,158 72 | 1,860 00 | 8,231 12 | 119,206 23 |
| Printing and Stationery.. | 26,231 16 | 7,083 21 | 27 18 | 975 20 | 1,952 01 | 5,836 17 | 654 36 | 4,716 83 | — | 3,358 59 | 50,834 71 |
| Totals..... | 1,990,091 62 | 871,194 92 | 23,716 85 | 48,670 25 | 25,589 59 | 85,104 83 | 15,042 10 | 165,658 04 | 4,469 20 | 137,803 13 | 3,367,340 53 |

| | |
|-------------------------|----------------|
| Total Revenue..... | \$3,718,087 99 |
| Total Expenditures..... | 3,367,340 53 |
| Net Surplus..... | \$ 350,747 46 |

Table K-4.—Statement showing Revenue and Expenditure by Points and Branches

| — | Inspection | | Weighing | | Appeal Board | | Regis- tration | | License and Bonding | | Statistics | | Accounting | | Research Laboratory | | Grain Standards Committee | | Adminis- tration | | Total | | |
|--------------------|------------|------|-----------|------|--------------|------|-------------------|------|---------------------------|------|------------|------|------------|------|------------------------|------|---------------------------------|------|---------------------|-------|-------|-----------|----|
| | \$ | cts. | \$ | cts. | \$ | cts. | \$ | cts. | \$ | cts. | \$ | cts. | \$ | cts. | \$ | cts. | \$ | cts. | \$ | cts. | \$ | cts. | |
| REVENUE | | | | | | | | | | | | | | | | | | | | | | | |
| Winnipeg..... | 579,311 | 43 | 24,001 | 41 | 1,863 | 00 | 42,989 | 97 | 29,261 | 00 | — | — | — | — | — | 5 | 13 | — | — | 1,385 | 00 | 678,816 | 94 |
| Churchill..... | 28,643 | 83 | 14,454 | 84 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 43,098 | 67 |
| Keewatin..... | 151 | 80 | 6,049 | 24 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 6,201 | 04 |
| Saskatoon..... | 23,652 | 35 | 11,208 | 70 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 34,861 | 05 |
| Moose Jaw..... | 17,662 | 94 | 9,273 | 61 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 26,936 | 55 |
| Medicine Hat..... | 7,675 | 89 | 4,433 | 06 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 12,108 | 95 |
| Lethbridge..... | 5,376 | 14 | 1,672 | 94 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 7,049 | 08 |
| Calgary..... | 103,421 | 91 | 21,211 | 95 | 1,563 | 00 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 126,196 | 86 |
| Edmonton..... | 125,946 | 25 | 6,370 | 25 | 1,548 | 00 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 133,864 | 50 |
| Vancouver..... | 280,798 | 32 | 217,181 | 85 | — | — | 10,491 | 70 | — | — | — | — | — | — | — | — | — | — | — | — | — | 508,471 | 87 |
| Fort William..... | 1,126,632 | 04 | 849,942 | 87 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1,976,574 | 91 |
| Toronto..... | 8,798 | 56 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 8,798 | 56 |
| Montreal..... | 8,679 | 90 | — | — | — | — | 12,465 | 23 | — | — | — | — | — | — | — | — | — | — | — | — | — | 21,145 | 13 |
| Chatham..... | 52,981 | 91 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 52,981 | 91 |
| Kenora..... | — | — | 2,567 | 22 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 2,567 | 22 |
| Prince Rupert..... | 27,106 | 19 | 19,849 | 09 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 46,955 | 28 |
| Duluth..... | 16,799 | 15 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 16,799 | 15 |
| Buffalo..... | 14,660 | 32 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 14,660 | 32 |
| Totals..... | 2,428,298 | 93 | 1,188,217 | 63 | 4,974 | 00 | 65,946 | 90 | 29,261 | 00 | — | — | — | — | — | 5 | 13 | — | — | 1,385 | 00 | 3,718,067 | 99 |

BOARD OF GRAIN COMMISSIONERS

81

EXPENDITURE

| | | | | | | | | | | | |
|--------------------|---------------------|-------------------|------------------|------------------|------------------|------------------|------------------|-------------------|-----------------|-------------------|---------------------|
| Winnipeg..... | 614,558 34 | 50,219 97 | 7,504 91 | 30,510 46 | 25,589 59 | — | 15,042 10 | 165,658 04 | 4,469 20 | 107,516 72 | 1,021,089 33 |
| Churchill..... | 18,477 66 | 10,219 33 | — | — | — | — | — | — | — | — | 28,696 99 |
| Keewatin..... | 5,746 60 | 7,247 29 | — | — | — | — | — | — | — | — | 12,993 89 |
| Saskatoon..... | 35,518 94 | 22,357 28 | — | — | — | — | — | — | — | 14,573 57 | 72,449 79 |
| Moose Jaw..... | 32,430 61 | 16,050 51 | — | — | — | — | — | — | — | — | 48,481 12 |
| Medicine Hat..... | 11,663 14 | 10,634 96 | — | — | — | — | — | — | — | — | 22,298 10 |
| Lethbridge..... | 9,630 98 | 6,003 50 | — | — | — | — | — | — | — | — | 15,634 48 |
| Calgary..... | 86,056 92 | 37,099 22 | 7,519 67 | — | — | — | — | — | — | 15,712 84 | 146,388 65 |
| Edmonton..... | 108,781 70 | 11,475 71 | 8,692 27 | — | — | — | — | — | — | — | 128,940 68 |
| Vancouver..... | 160,218 16 | 163,514 55 | — | 7,280 80 | — | — | — | — | — | — | 331,013 51 |
| Fort William..... | 714,561 73 | 520,437 30 | — | — | — | 85,104 83 | — | — | — | — | 1,320,103 86 |
| Toronto..... | 10,845 47 | — | — | — | — | — | — | — | — | — | 10,845 47 |
| Montreal..... | 99,294 01 | 5,495 42 | — | 10,878 99 | — | — | — | — | — | — | 115,668 42 |
| Chatham..... | 51,599 41 | — | — | — | — | — | — | — | — | — | 51,599 41 |
| Kenora..... | — | 2,567 22 | — | — | — | — | — | — | — | — | 2,567 22 |
| Prince Rupert..... | 8,403 06 | 7,872 66 | — | — | — | — | — | — | — | — | 16,275 72 |
| Duluth..... | 9,025 64 | — | — | — | — | — | — | — | — | — | 9,025 64 |
| Buffalo..... | 13,279 25 | — | — | — | — | — | — | — | — | — | 13,279 25 |
| Totals..... | 1,990,091 62 | 871,194 92 | 23,716 85 | 48,670 25 | 25,589 59 | 85,104 83 | 15,042 10 | 165,658 04 | 4,469 20 | 137,803 13 | 3,367,340 53 |

| | |
|------------------------|-----------------|
| Total Revenue..... | \$ 3,718,087 99 |
| Total Expenditure..... | 3,367,340 53 |
| Net Surplus..... | \$ 350,747 46 |

APPENDIX L

Regulations

Regulations made in accordance with the provisions of the Canada Grain Act, in effect December 31, 1953

Regulation
No.

- 1 Registration and Cancellation of Terminal Elevator Warehouse Receipts.
- 2 Registration and Cancellation of Eastern Warehouse Receipts and Transfer Receipts.
- 3 Construction of Elevators.
- 4 Cleaning Grain and Bins, Terminal Elevators.
- 5 Off Grades for Western Grain.
- 6 Off Grades for Eastern Grain.
- 7 Grades of Screenings.
- 8 Inspection of Samples Taken other than at an Inspection Point.
- 9 Appeals from Inspecting Officers to Grain Appeal Tribunals.
- 10 Delivery of Grain to Ocean Vessels at Montreal, Quebec.
- 11 Delivery of Grain to Ocean Vessels at West Saint John, N.B.
- 12 Delivery of Grain to Ocean Vessels at East Saint John, N.B.
- 13 Delivery of Grain to Ocean Vessels at Halifax, N.S.
- 14 Enforcement of Lien by Sale of Grain.
- 15 Drying of Grain.
- 16 Fees.
- 17 Records, Reports and Returns.
- 18 Procedure, Country Elevators.
- 19 Receipt for Grain Delivered to Private Country Elevators and Mill Elevators.
- 20 Maximum Tariff of Charges, Eastern Elevators.
- 21 Maximum Tariff of Charges and Shrinkage Allowance, Country Elevators.
- 22 Maximum Tariff of Charges, Terminal Elevators.
- 23 Applications for licences and terms and conditions under which licences are issued.
- 24 Receipt for storage in transit for reshipment out of Canada of grain grown outside Canada.
- 25 Tickets and Receipts—Country Elevators.
- 26 Delivery of Treated Grain to Elevators.

[illegible]

| | |
|--------|--------|
| JUL 13 | RETURN |
|--------|--------|

HD 9044 C25 C24 1953
BOARD OF GRAIN COMMISSIONERS FOR
CANADA
REPORT
SERIAL M1 40816953 SCI



000035738335

HD
9044
C25
C24
1953

2206779

SCIENCE
CAMERON LIBRARY

B7045